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ANNUAL PLANNING INFORMATION REPORT FISCAL YEAR 1983 CENTRAL MASSACHUSETTS

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LABOR AREA RESEARCH PUBLICATION

Massachusetts Division of Employment Security
job market research

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
Charles F. Hurley Building
Government Center, Boston, MA. 02114

ANNUAL PLANNING INFORMATION REPORT

FISCAL YEAR 1983

CENTRAL MASSACHUSETTS

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Annual Planning Information Report

Central Massachusetts

Fiscal Year 1983

EXECUTIVE SUMMARY

The Central Massachusetts region of the state is the location of two major labor market areas, the Worcester Labor Market Area (LMA) and the Fitchburg-Leominster Standard Metropolitan Statistical Area (SMSA). The region is largely encompassed within Worcester County, a county with an industrial configuration much different from that of Massachusetts as a whole.

- Manufacturing comprises 34.9 percent of the area's employment compared to an average of 25.6 percent for the state.
- Service comprises 18.9 percent of its employment compared to 23.7 percent for the state.
- Finance, Insurance and Real Estate's share of employment is 4.6 percent compared to a 6.1 percent share for the state.

The Worcester LMA

The Worcester LMA is the center of the region both geographically and economically and, for many years, has been considered to have one of the state's soundest economies.

- For 1981 the Worcester area at 5.9 percent had the second lowest unemployment rate of any of the nine labor market areas which are wholly or partly in Central Massachusetts. Only the high technology center of Marlboro had a lower rate of 5.1 percent.
- The Worcester LMA had the second lowest unemployment rate among the ten major labor market areas of the state, and was also below the state-wide rate of 6.4 percent. The Boston SMSA with a 5.7 percent unemployment rate was two tenths of a percent lower .
- The current recession is hitting the Worcester LMA hard during 1982 with a 45 percent increase to a rate of 8.0 percent for the fiscal year. The unemployment rate is projected to average 8.3 percent in Fiscal Year 1983.
- Nonmanufacturing employment is projected to rise slightly to 123,200, but manufacturing will drop further to an average of 42,100 in FY 1983. The Centrum and new hotel construction in downtown Worcester are proving magnets for economic development and employment gains.

Fitchburg-Leominster SMSA

This SMSA began to be affected by the recession earlier than other parts of the Central region.

- Covered nonagricultural employment peaked in 1979, when there were 39,060 jobs; by March 1982 there were 37,550 jobs.

- Unemployment rose in 1980 by nearly 23 percent to 6.0 percent, a bigger jump than for the year 1981, whose rate rose to 6.3 percent. In FY 1983 the rate has risen to an average of 9.1 percent.

As 1982 has seen a widening and deepening of the recession in Central Massachusetts it is projected that the unemployment rate in the Fitchburg-Leominster SMSA will average 9.0 percent in FY 1983.

- FY 1983 is projected to see a further decline in the manufacturing work force but no change in nonmanufacturing.

- The completion of I-190 in 1982, an 18.9 mile concrete link from Worcester to Route 2 in Leominster, will open up the area for industrial and residential expansion, when the national economy turns around.

A. Overview of Central Massachusetts

Much of the focus of this report is on employment developments, data, and the outlook in the two major labor market areas in Central Massachusetts: The Fitchburg-Leominster Standard Metropolitan Statistical Area (SMSA) and the Worcester Labor Market Area (LMA). More data is gathered and analyzed on such larger labor market areas and thus is available for publication and distribution. However, to round out the employment picture we offer an overview of the central area of the state in all its parts.

The Division of Employment Security's Central Region II has seven Job Insurance and Job Matching offices in Fitchburg, Framingham, Gardner, Marlboro, Milford, Webster, and Worcester. These offices service clients from all the cities and towns in eight labor market areas. In addition to the two major ones, they provide services to residents of the Athol, Clinton, Gardner, Marlboro, Milford, and Southbridge LMAs, parts of the Boston and the Providence-Pawtucket, Rhode Island SMSA, and several towns from the "balance of state" list which are not in a defined labor area. The Central Region of Massachusetts stretches from the Connecticut and Rhode Island borders to the New Hampshire border.

The experience of the various areas in the region is highlighted by the table on the following page. In 1979 the region was doing very well, with all areas having unemployment rates under 6.0 percent. A few areas showed economic weakness in 1980, such as Athol, Milford, and Southbridge as some of their long-time manufacturing industries faced declining demand. The year 1981 saw the onset of recession in Clinton, Gardner and Southbridge with further deterioration in Milford. The first nine months of 1982 have brought further layoffs and industrial decline with six of the eight areas averaging over 10 percent unemployed and Fitchburg-Leominster just missing that mark at 9.9 percent. The Athol LMA has been averaging the highest in the state. The dominant Worcester LMA with its traditionally strong manufacturing base has begun to see temporary shutdowns, reduced hours, extended vacations and lay offs to meet their lower order files. The high technology center in the Marlboro LMA is also feeling the effects of the national and world slowdown.

Table 1
Annual Average Unemployment Rates
Central Massachusetts

Labor Market Areas	Calendar Years*			
	1979	1980	1981	1982
Athol	5.3	6.9	6.8	15.2
Clinton	5.9	6.0	7.1	10.0
Fitchburg-Leominster	4.9	6.0	6.3	9.9
Gardner	5.1	5.8	7.2	10.5
Marlboro	3.6	4.0	5.1	6.2
Milford	5.3	7.0	9.5	11.6
Southbridge	4.6	6.5	7.2	10.4
Worcester	4.7	5.0	5.9	8.7
Worcester County	4.9	5.6	6.5	9.6

* First nine months.

Source: Labor Area Unemployment Statistics Program,
Massachusetts Division of Employment Security.

Although there are no immediate signs of economic recovery, which must wait upon national recovery, the Central Region has a number of pluses, which will help in due time to put its local economies back on the tracks. These assets include the completion of the new Interstate Route 190 from Worcester up to Fitchburg, the attraction of the new downtown Worcester Centrum and hotels for convention and entertainment area spinoff business, the basic strength of the high technology area around Marlboro, which provides employment for workers from a wide geographic area, and the completion of Route 495 connecting the Central Region to the Southeastern Massachusetts market and labor force.

ASSUMPTIONS AND PROJECTIONS FOR THE ECONOMY

COMMONWEALTH OF MASSACHUSETTS

FEDERAL FISCAL YEAR 1983 (FFY'83)

The Job Market Research staff of the Division of Employment Security gathers data, analyzes and reports on changes in the state's employment and unemployment situation. Even utilizing the most current data available together with computer models of the state and national economies, it is difficult to project future economic conditions. Forecasting is especially difficult during times of rapid change, such as we have been experiencing. The economic forecasts presented in this report are based on data available at the end of May, 1982.

1. EMPLOYMENT

Total employment in Massachusetts, as reported in the Current Population Statistics (CPS) series, is expected to average 2,794,300 during FFY'83, an increase of about 19,000 from FFY'82.

Nonagricultural wage and salary jobs, reported in the Current Employment Statistics series (CES-790) is expected to average 2,659,000 an increase of over 25,000 jobs from FFY'82 to FFY'83.

2. UNEMPLOYMENT

We project that Massachusetts unemployment rate will average 7.5 percent during FFY'83, down from 7.7 percent in FFY'82, and about one and one-half percentage points below the national average of 9.0 percent in FFY'83.

Table 2

	MASSACHUSETTS				U. S.
	Labor Force (in 000's)	Employment (in 000's)	Unemployment (in 000's)	Unemployment Rate (%)	Unemployment Rate (%)
FFY '81	2935.1	2761.9	173.2	5.9	7.4
FFY '82	3007.0	2775.5	231.5	7.7	9.1
FFY '83	3021.6	2794.3	227.3	7.5	9.0

Table 3

MASSACHUSETTS

PROJECTED EMPLOYMENT BY INDUSTRY GROUP

Industry	Employment (in 000's)		
	FFY 1981 (Actual)	FFY 1982 (Projected)	FFY 1983 (Projected)
TOTAL NONAGRICULTURAL EMPLOYMENT	2656.8	2633.6	2659.3
Manufacturing - Total	668.0	646.0	647.5
Durable Goods	410.1	398.6	401.5
Nondurable Goods	257.9	247.8	246.0
Construction	78.0	80.1	80.7
Transportation, Communications and Public Utilities	120.3	118.1	117.7
Wholesale and Retail Trade	574.6	578.1	587.7
Finance, Insurance and Real Estate	162.5	166.4	169.5
Services	656.8	673.4	690.0
Government	396.6	371.1	366.2
Federal	57.7	56.3	56.2
State	97.8	94.5	92.4
Local	241.2	220.3	217.6

Prepared by: Job Market Research
July, 1982

II. Area Description of Major Labor Market Areas

A. Definition of the Areas:

1. Worcester Labor Market Area: The Worcester, Massachusetts Labor Market Area (LMA) is situated entirely within Worcester County. The LMA is comprised of the city of Worcester and the towns of Auburn, Berlin, Boylston, Brookfield, Charlton, Douglas, East Brookfield, Grafton, Holden, Leicester, Millbury, Northborough, Northbridge, North Brookfield, Oxford, Paxton, Rutland, Shrewsbury, Spencer, Sterling, Sutton, Upton, Uxbridge, Webster, Westborough and West Boylston.

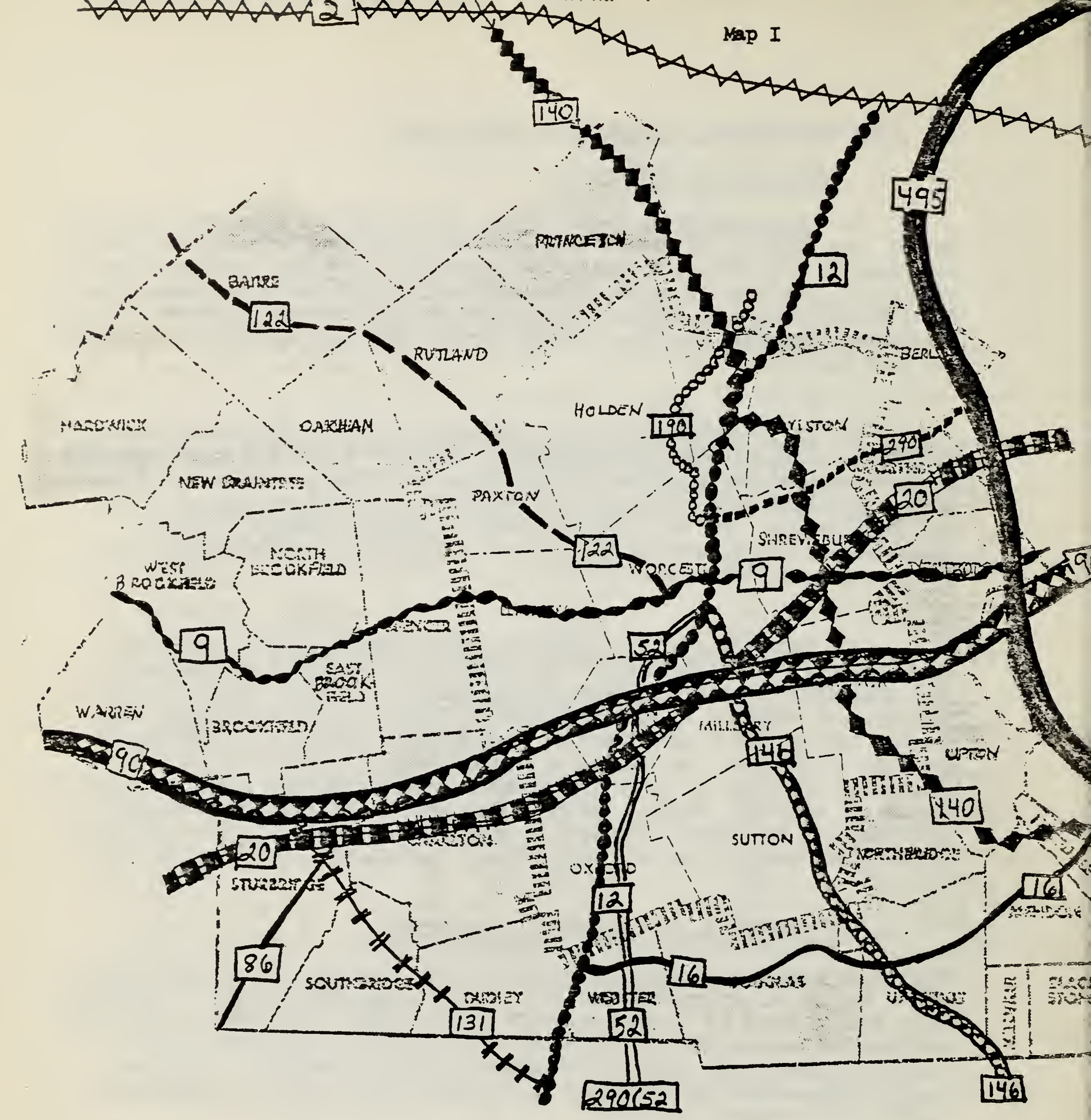
2. Definition of CETA Prime Sponsor Area: The Worcester Consortium is the set of cities and towns legally sanctioned to administer all programs of the Comprehensive Employment and Training Act (CETA) under the jurisdiction of the Worcester Prime Sponsor. The Worcester Consortium consists of the city of Worcester and the towns of Auburn, Boylston, Grafton, Holden, Leicester, Millbury, Northborough, Paxton, Rutland, Shrewsbury, Spencer, Westborough, and West Boylston.

3. Definition of Job Matching Service Centers Areas: The Job Matching Service Centers provide four basic types of aid to job-seekers: job information, job development and placement, employment counseling and testing, and services to special applicant groups. The two Job Matching Service Centers which serve the LMA are located in the city of Worcester and town of Webster. The Worcester center provides services for the residents of the towns of Auburn, Boylston, Clinton, Grafton, Holden, Lancaster, Leicester, Millbury, Paxton, Rutland, Shrewsbury, Spencer, Sterling, West Boylston, and the city of Worcester. The Webster center services the towns of Charlton, Douglas, Oxford, Southbridge, Sturbridge, Sutton and Webster.

B. Geographical Description and Topography

Centrally located in Massachusetts the city of Worcester is 39 miles from Boston and 52 miles from Springfield. It is surrounded by the 26 LMA towns which toally cover an area of over 600 square miles. The area's topography is characterized as being plateau-like with gentle rolling hills and a number of picturesque lakes interspersed into the landscape. The annual average temperature is 47 degrees and ranges from a mean of 24 degrees in January to 70 degrees in July.

Map I


2
140
495
12
PRINCETON
BARRE
122
RUTLAND
HOLDEN
190
BERL
HARDWICK
OAKHAM
YLSTON
290
NEW BRAINTREE
PAXTON
20
122
SHREWSBUR
NORTH BROOKFIELD
WEST BROOKFIELD
WORCEST
9
9
SPENCER
52
EAST BROOKFIELD
WARREN
BROOKFIELD
MILLBURY
146
UPTON
90
140
SUTTON
20
CHARLTON
NORTHBRIDGE
OXFORD
STURBRIDGE
12
16
MENDON
86
16
SOUTHBRIDGE
DUDLEY
DOUGLAS
UXBRIDGE
WEBSTER
131
52
290/52
146
BLACK STON

C. Transportation

Within the Worcester LMA there are a number of primary roadways which lead into Worcester. These major highways which move traffic into the city from the east and northeast are Routes 20, 9, and 90. With the completion of Route 52 from Auburn to Webster and its connection with Route 290 East leading to Worcester and points north, commuting difficulties to the south of Worcester have been facilitated. Access to the city from other directions tends to be considerably more difficult. In the north Route 140 through Princeton does not carry enough traffic, while Route 12 through West Boylston cannot adequately bear the traffic flow required of it. This problem is being remedied by a major upgrading of Route 140 between Shrewsbury and Boylston and by construction of Route 190 to Route 2 in the Fitchburg-Leominster LMA. Construction of 190 is well on the way to completion, which should be accomplished by the winter of 1982.

A traffic survey of commuting into the city of Worcester made in 1979 and 1980, but just recently released, counted almost 152,000 cars entering the city every work day. The heaviest volume, 24,050 autos, entered via the expressway I-290, from Auburn, while the second busiest route, Belmont Street, carried 17,666 cars coming in from Shrewsbury. Other streets which carry more than 5,000 commuting cars daily are Millbury, 8,890; Main, 8,417; Lincoln, 7,446; Stafford, 6,820; Greenwood, 6,571; James, 5,948; and Webster, 5,198.

Finally, bus, rail and air transportation systems are more than adequate at present. Worcester has long prided itself as being the center of rail transport in both Massachusetts and New England, a tradition that has recently been enhanced by the efforts of the Providence and Worcester Railway in picking up old lines that have stopped operating.

The Worcester Regional Transit Authority (WRTA) provides commuter bus service. The area is also serviced by private carriers and AMTRAK.

Inter-regional air systems are also sufficient for the area's needs, though some experts believe that the Worcester Airport should also become a relief facility for Logan Airport in Boston. The driving time to Logan International Airport is only 50 minutes from Boston.

A. Definition of Areas

1. Fitchburg-Leominster SMSA: The Fitchburg-Leominster Standard Metropolitan Statistical Area (SMSA) includes the twin cities of Fitchburg and Leominster and the towns of Lunenburg, Shirley, Townsend, and Westminster. It is located in Worcester County and is bordered by Franklin County to the West and Middlesex County to the East.

2. Definition of CETA Subgrantee Areas: The Subgrantee responsible for the delivery of CETA classroom training, work experience, on-the-job training and supportive services is the city of Fitchburg, presently contracting with the Montachusett Employment and Training Program, Inc., Gardner, Massachusetts. The area of service is geographically defined by the following 26 cities and towns:

Ashburnham
Ashby
Ayer
Barre
Berlin
Bolton
Clinton
Fitchburg
Gardner
Groton
Hardwick
Harvard
Hubbardston
Lancaster
Leominster
Lunenburg
New Braintree
Oakham
Pepperell
Princeton
Shirley
Sterling
Templeton
Townsend
Westminster
Winchendon

3. Definition of Fitchburg Job Matching Center Area of Service: The Fitchburg Job Matching Center provides job information, job development and placement, employment counseling and testing, and services to special applicant groups for the following cities and towns.

Ashby
Ayer
Fitchburg
Fort Devens
Groton
Harvard
Leominster
Lunenburg
Pepperell
Shirley
Townsend

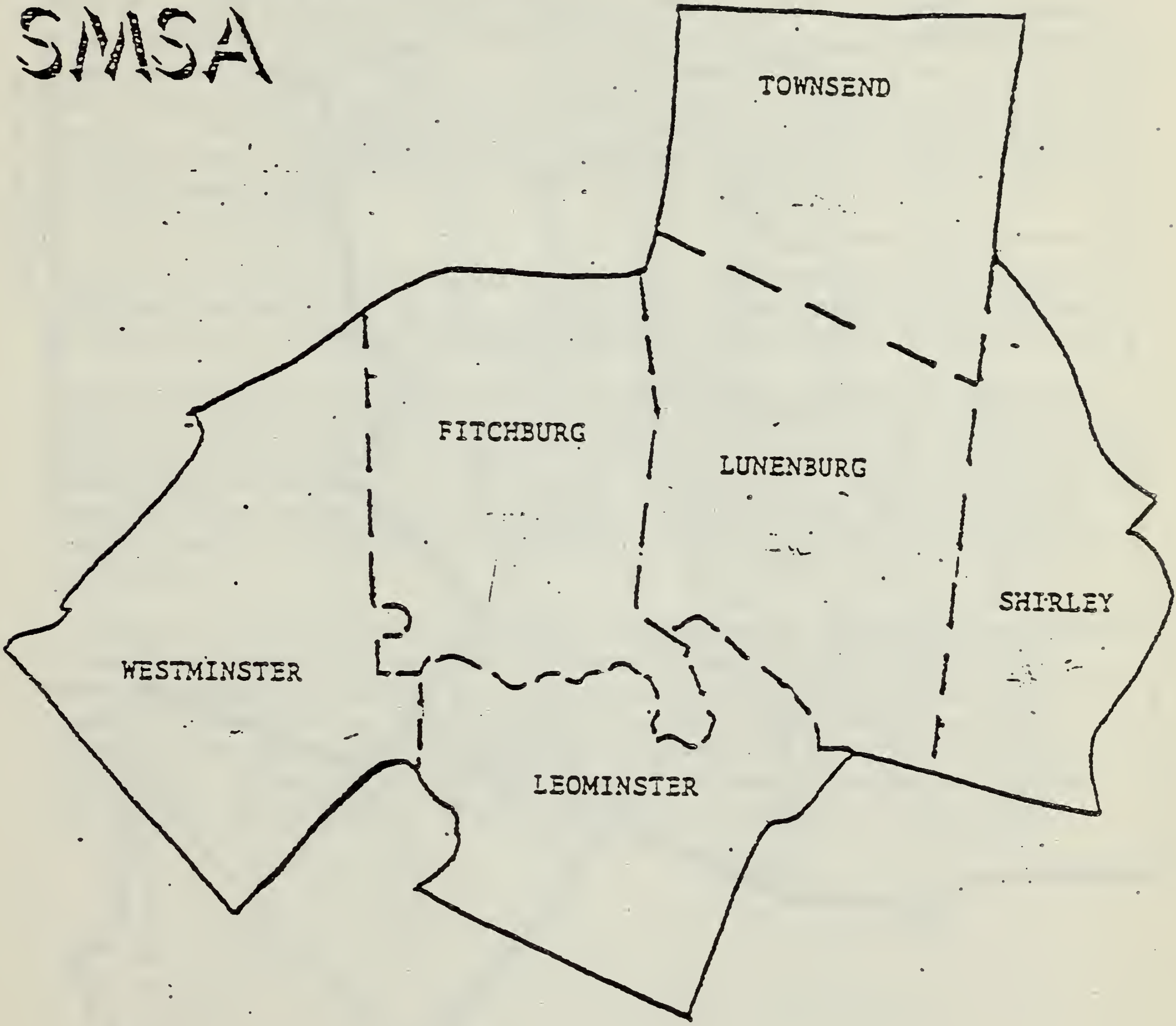
B. Geographical Description and Topography

The Fitchburg-Leominster SMSA is located in the Montachusett region of north central Massachusetts. It is a hilly region, 400 to 1,000 feet above sea level. Montachusett is made up of many lakes, ponds, waterfalls, and forested sections. The Nashua and Squannacook Rivers are located here. The region is bounded on the north by Peterborough, New Hampshire and on the south by Princeton, Massachusetts. It is bounded on the west by Royalston and on the east by Groton.

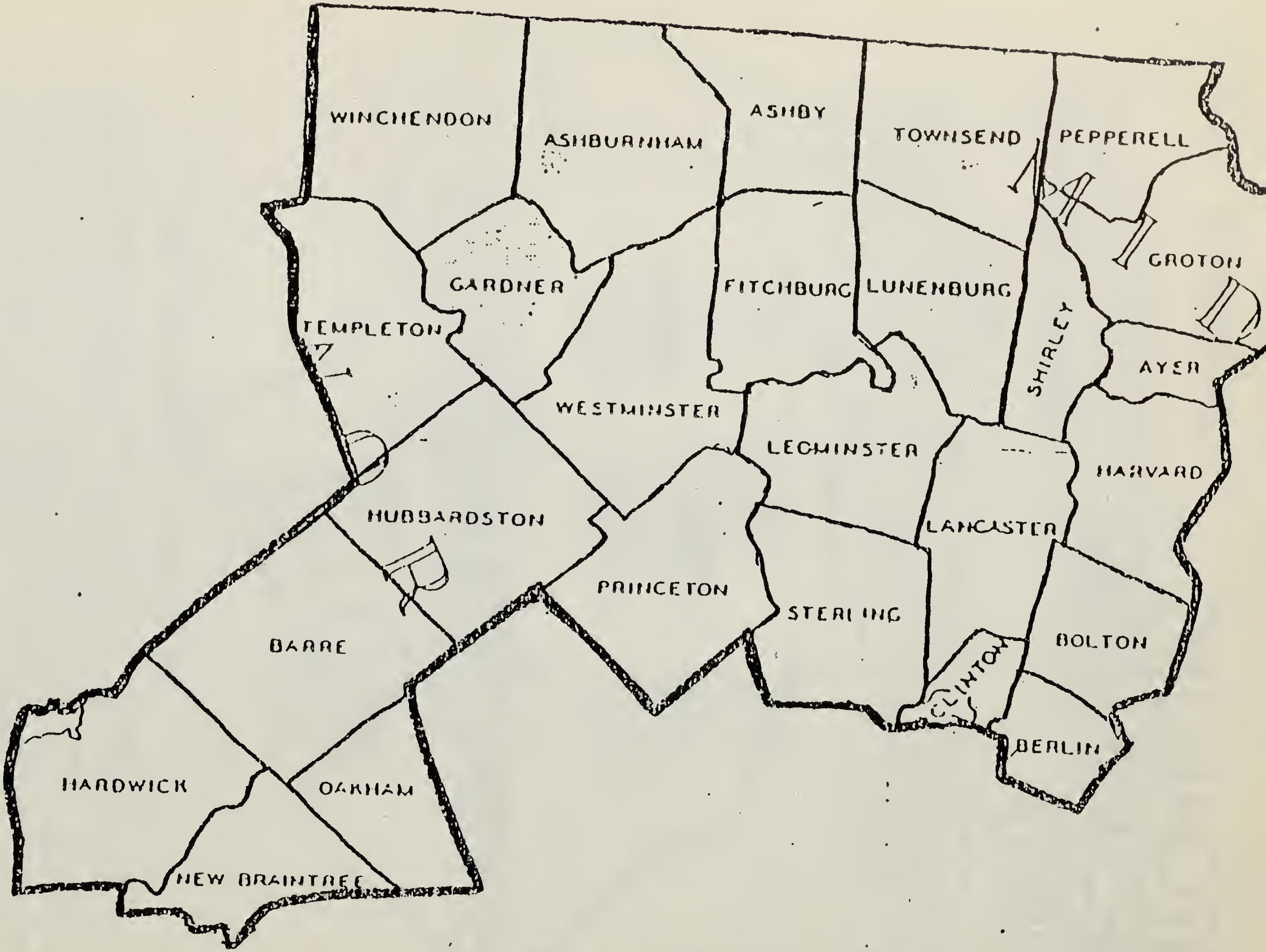
Boston, New England's principal metropolis, is less than one hour's drive to the east. Worcester is located 25 miles to the south and Springfield is approximately 50 miles to the southwest.

Map II

FITCHBURG – LEOMINSTER SMSA



Map III



MONTACHUSETT EMPLOYMENT AND TRAINING PROGRAM
CETA Subgrantee

C. Transportation:

The Fitchburg-Leominster SMSA is served by an excellent highway network which supports its economic base. Routes 2, 2A, and 119 link the area with east and west. Routes 12, 13, 31 and 140 are the major roads connecting north with south. Interstate 495 passes through the eastern part of the region. Interstate 190, linking the Fitchburg-Leominster area with the Worcester area, is scheduled for completion in 1982. This will provide a major connection between the SMSA and the principal markets of the Atlantic Seaboard.

The area is served by two municipal airports, two freight railroads and numerous bus and truck lines. Furthermore, Logan International Airport in Boston and the Worcester Municipal Airport are within an hour's drive.

The Montachusett Regional Transportation Authority (MART) is solely responsible for area transit needs and public transportation. The Authority contracts out through private carriers for local service. Fitchburg, Leominster and Gardner are the charter members of the Authority, while the towns of Ashburnham, Ayer, and Shirley have been added since the 1979 implementation. Communities are free to become members of the Authority as no cost.

A commuter rail service is available which provides access to outside areas. Orginating in Gardner, the service has stations in Fitchburg, North Leominster, Shirley, Ayer and Littleton. Area residents can commute as far east as Boston. There has been much concern over the continued existence of the rail service because it is solely funded by the state. According to the Montachusett Regional Planning Commission, the policy of the current administration is to continue the service.

Table 4

Worcester LMA Labor Force
1981 - 1982

Period	Labor Force	Employment	Unemployment	Unemployment Rate
1981				
January	194,700	183,900	10,800	5.6
February	198,900	187,300	11,600	5.8
March	187,600	186,900	10,700	5.4
April	193,800	184,600	9,200	4.8
May	194,100	183,800	10,300	5.3
June	200,100	186,900	13,200	6.6
July	202,100	189,500	12,600	6.3
August	202,600	189,000	13,600	6.7
September	199,900	187,400	12,500	6.3
October	206,700	194,000	12,700	6.1
November	207,900	195,800	12,100	5.8
December	206,200	193,200	13,100	6.3
Annual Average	200,400	188,500	11,900	5.9
1982				
January	201,300	185,900	15,400	7.6
February	200,500	184,500	16,000	8.0
March	201,600	187,000	14,600	7.2

Source: Massachusetts Division of Employment Security
Labor Area Unemployment Statistics Program

Table 5
Fitchburg-Leominster SMSA Labor Force
1981-1982

Period	Labor Force	Employment	Unemployment	Unemployment Rate
1981				
January	48,670	45,880	2,790	5.7
February	49,790	46,830	2,960	5.9
March	49,380	46,540	2,840	5.7
April	48,560	46,150	2,410	5.0
May	48,740	46,020	2,720	5.6
June	50,880	47,290	3,590	7.0
July	50,920	47,270	3,650	7.2
August	51,620	48,150	3,470	6.7
September	49,860	46,810	3,050	6.1
October	52,000	48,610	3,390	6.5
November	52,350	48,940	3,410	6.5
December	52,540	48,590	3,950	7.5
Annual Average	50,440	47,260	3,180	6.3
1982				
January	50,850	46,360	4,490	8.8
February	49,000	44,490	4,510	9.2
March	51,530	46,920	4,610	8.9

Source: Massachusetts Division of Employment Security
Labor Area Unemployment Statistics Program

Table 6

Comparison of Labor Force Data
on
Annual Average Basis
1976 - 1981

	Fitchburg-Leominster SMSA	Worcester LMA	Massachusetts	U.S.A.
1976				
Labor Force	48,300	191,600	2,733,000	
Employment	43,400	174,500	2,473,000	
Unemployment	4,900	17,100	260,000	
Rate of Unemployment	10.1	8.9	9.5	7.7
1977				
Labor Force	46,700	190,100	2,759,000	
Employment	42,800	177,400	2,536,000	
Unemployment	3,900	12,700	224,000	
Rate of Unemployment	8.2	6.7	8.1	7.0
1978				
Labor Force	49,000	196,800	2,835,000	
Employment	46,200	187,100	2,662,000	
Unemployment	2,800	9,700	173,000	
Rate of Unemployment	5.7	4.9	6.1	6.0
1979				
Labor Force	49,000	195,900	2,891,000	
Employment	46,600	186,900	2,731,000	
Unemployment	2,400	9,000	160,000	
Rate of Unemployment	4.9	4.6	5.5	5.8
1980				
Labor Force	49,200	196,300	2,876,000	
Employment	46,200	186,400	2,714,000	
Unemployment	3,000	9,900	162,000	
Rate of Unemployment	6.0	5.0	5.6	7.1
1981				
Labor Force	50,500	200,400	2,961,000	
Employment	47,300	188,500	2,773,000	
Unemployment	3,200	11,900	188,000	
Rate of Unemployment	6.3	5.9	6.4	7.6

Source: Labor Area Unemployment Statistics Program

Table 7

Labor Force Composition Projected Change
1970 - 1983
Worcester LMA

Race and Age	April 1, 1970	July 1, 1983	Change 1970 to 1983	
			Number	Percent
Total	160,185	209,861	49,676	31.0
White Males	96,821	111,974	15,153	15.7
16-17	3,555	4,485	930	26.2
18-19	4,108	4,570	462	11.2
20-24	9,598	13,547	3,949	41.1
25-34	18,608	30,895	12,287	66.0
35-44	18,807	21,850	3,043	16.2
45-64	37,203	31,977	-5,226	-14.0
65+	4,942	4,650	- 292	- 5.9
White Females	61,615	90,832	29,217	47.4
16-17	2,957	4,970	2,013	68.1
18-19	3,660	4,572	912	24.9
20-24	7,712	11,458	3,746	48.6
25-34	8,248	20,605	12,357	149.8
35-44	10,812	18,527	7,715	71.4
45-64	25,324	27,427	2,103	8.3
65+	2,902	3,273	371	12.8
Nonwhite Males	953	3,742	2,789	292.7
16-17	28	169	141	503.6
18-19	28	42	14	50.0
20-24	101	277	176	174.3
25-34	251	837	586	233.5
35-44	249	1,000	751	301.6
45-64	246	1,382	1,136	461.8
65+	50	35	-15	-30.0
Nonwhite Females	796	3,313	2,517	316.2
16-17	10	150	140	1400.0
18-19	65	193	128	196.9
20-24	113	276	163	144.2
25-34	223	710	487	218.4
35-44	128	596	468	365.6
45-64	194	1,315	1,121	577.8
65+	63	73	10	15.9

Sources: Lawrence Berkeley Laboratory and Mass. DES

Note: For all areas, population counts by race (white, black and other) from the 1980 Census are used as population control totals for 1980. Since there are major differences in response between the 1970 Census, and 1980 Census the racial breakdowns for the two years are not comparable.

Table 8

Labor Force Composition Projected Change
1970 - 1983
Worcester Prime Sponsor

			Change 1970 to 1983	
Race and Age	April 1, 1970	July 1, 1983	Number	Percent
Total	127,656	149,430	21,774	17.1
White Males	76,686	79,124	2,438	3.2
16-17	2,674	3,107	433	16.2
18-19	3,273	3,096	-177	- 5.4
20-24	7,677	9,430	1,753	22.8
25-34	14,332	24,090	9,758	68.1
35-44	15,056	16,829	1,773	11.8
45-64	29,701	19,807	-9,894	-33.3
65+	3,973	2,765	-1,208	-30.4
White Females	49,300	64,090	14,790	30.0
16-17	2,399	3,697	1,298	54.1
18-19	3,039	3,320	281	9.2
20-24	6,423	8,375	1,952	30.4
25-34	6,174	14,208	8,034	130.1
35-44	8,658	13,851	5,193	60.0
45-64	20,199	18,389	-1,810	- 9.0
65+	2,408	2,250	-158	- 6.6
Nonwhite Males	904	3,307	2,403	265.8
16-17	28	146	118	421.4
18-19	25	21	-4	-16.0
20-24	101	226	125	123.8
25-34	239	677	438	183.3
35-44	235	781	546	232.3
45-64	226	1,406	1,180	522.1
65+	50	50	--	--
Nonwhite Females	766	2,909	2,143	279.8
16-17	10	132	122	1220.0
18-19	61	167	106	173.8
20-24	109	242	133	122.0
25-34	223	622	399	178.9
35-44	119	488	369	310.1
45-64	181	1,197	1,016	561.3
65+	63	61	-2	- 3.2

Sources: Lawrence Berkeley Laboratory and Mass. DES

Note: For all areas, population counts by race (white, black and other) from the 1980 Census are used as population control totals for 1980. Since there are major differences in response between the 1970 Census, and 1980 Census the racial breakdowns for the two years are not comparable.

Table 9

Labor Force Composition Projected Change

1970 - 1983

Fitchburg-Leominster SMSA

Race and Age	April 1, 1970	July 1, 1983	Change 1970 to 1983	
			Number	Percent
TOTAL	42,059	52,374	10,315	24.5
White Males	25,109	26,965	1,856	7.4
16-17	941	993	52	5.5
18-19	1,047	1,086	39	3.7
20-24	3,212	3,714	502	15.6
25-34	5,143	8,368	3,225	62.7
35-44	4,906	5,072	166	3.4
45-64	8,995	6,912	-1,983	-22.3
65+	965	820	- 145	-15.0
White Females	16,529	23,549	7,020	42.5
16-17	746	1,194	448	60.1
18-19	980	1,132	152	15.5
20-24	2,471	3,081	610	24.7
25-34	2,261	6,065	3,804	168.2
35-44	3,047	4,800	1,753	57.5
45-64	6,264	6,469	205	3.3
65+	760	808	48	6.3
Nonwhite Males	284	861	577	203.2
16-17	10	24	14	140.2
18-19	8	19	11	137.5
20-24	40	142	102	255.0
25-34	69	231	162	234.8
35-44	70	132	62	88.6
45-64	87	313	226	259.8
65+	INA	0	--	--
Nonwhite Females	137	999	862	629.2
16-17	6	24	18	300.0
18-19	INA	0	---	--
20-24	15	33	18	120.0
25-34	35	137	102	291.4
35-44	61	297	236	386.9
45-64	10	500	490	4900.0
65+	10	8	- 2	- 20.0

Source: Lawrence Berkeley Laboratory and Mass. DES

Note: For all areas, population counts by race (white, black and other) from the 1980 census are used as population control totals for 1980. Since there are major differences in response between the 1970 census and 1980 census, the racial breakdowns for the two years are not comparable.

Table 10

Population and Labor Force Composition Projections
Fiscal Year 1983
Worcester LMA

Race and Age	Population	Labor Force	Employment	Unemployment	Unemploy. Rate	Labor Force Participation Rate
Total	378,758	209,861	192,443	17,418	8.3	69.5
White Males	175,419	111,974	102,324	9,650	8.6	81.2
0-15	37,444	--	--	--	--	--
16-17	6,017	4,485	3,608	877	19.6	74.5
18-19	6,281	4,570	3,460	1,110	24.3	72.8
20-24	16,016	13,547	12,302	1,245	9.2	84.6
25-34	31,525	30,895	28,502	2,393	7.7	98.0
35-44	22,296	21,850	20,717	1,133	5.2	98.0
45-64	35,117	31,977	29,576	2,401	7.5	91.1
65+	20,723	4,650	4,159	491	10.6	22.4
White Females	188,784	90,832	84,110	6,722	7.4	59.2
0-15	35,446	--	--	--	--	--
16-17	5,695	4,970	4,484	486	9.8	87.3
18-19	5,944	4,572	4,201	371	8.1	76.9
20-24	14,547	11,458	10,828	630	5.5	78.8
25-34	28,608	20,605	19,667	938	4.6	72.0
35-44	22,719	18,527	17,520	1,007	5.4	81.5
45-64	41,384	27,427	24,783	2,644	9.6	66.3
65+	34,441	3,273	2,627	646	19.7	9.5
Nonwhite Males	7,224	3,742	2,955	787	21.0	71.1
0-15	1,960	--	--	--	--	--
16-17	237	169	123	46	27.2	71.3
18-19	247	42	30	12	28.6	17.0
20-24	567	277	202	75	27.1	48.9
25-34	1,011	837	642	195	23.3	82.8
35-44	1,200	1,000	846	154	15.4	83.3
45-64	1,762	1,382	1,079	303	21.9	78.4
65+	240	35	33	2	5.7	14.6
Nonwhite Females	7,331	3,313	3,054	259	7.8	61.6
0-15	1,952	--	--	--	--	--
16-17	247	150	139	11	7.3	60.7
18-19	258	193	183	10	5.2	74.8
20-24	488	276	269	7	2.5	56.6
25-34	922	710	663	47	6.6	77.0
35-44	948	596	559	37	6.2	62.9
45-64	2,054	1,315	1,174	141	10.7	64.0
65+	462	73	67	6	8.2	15.8

Sources: Lawrence Berkeley Laboratory and Massachusetts Div. of Employment Security

Note: For all areas, population counts by race (white, black, and other) from the 1980 Census are used as population control totals for 1980. Since there are major differences in response between the 1970 Census and the 1980 Census, the racial breakdowns for the two years are not comparable.

Table 11
Population and Labor Force Composition Projections
Fiscal Year 1983
Fitchburg-Leominster SMSA

Category	Population	Labor Force	Employment	Unemploy-ment	Unemploy-ment Rate	Labor Force Participation Rate
TOTAL	98,637	52,374	47,660	4,714	9.0	65.7
White Males	44,550	26,965	24,827	2,138	7.9	78.4
0-15	10,158	--	--	--	--	--
16-17	1,448	993	866	127	12.8	66.8
18-19	1,526	1,086	967	119	10.9	73.0
20-24	4,179	3,714	3,105	609	16.4	88.9
25-34	8,910	8,368	7,584	784	9.4	93.9
35-44	5,421	5,072	4.915	157	3.1	93.5
45-64	8,410	6,912	6,594	318	4.6	82.2
65+	4,498	820	796	24	2.9	18.2
White Females	50,290	23,549	21,275	2,274	9.7	58.0
0-15	9,665	--	--	--	--	--
16-17	1,517	1,194	952	242	20.3	76.6
18-19	1,598	1,132	978	154	13.6	72.7
20-24	4,444	3,081	2,696	385	12.5	69.3
25-34	8,591	6,065	5,434	631	10.4	70.6
35-44	5,878	4,800	4,424	376	7.8	81.7
45-64	10,482	6,469	6,018	451	7.0	61.7
65+	8,115	808	773	35	4.3	10.0
Nonwhite Males	1,765	861	769	92	10.7	66.0
0-15	460	--	--	--	--	--
16-17	54	24	24	0	0.0	44.4
18-19	56	19	19	0	0.0	33.9
20-24	194	142	142	0	0.0	73.2
25-34	251	231	178	53	22.9	92.0
35-44	187	132	93	39	29.5	70.6
45-64	413	313	313	0	0.0	75.8
65+	150	0	0	0	0.0	0.0
Nonwhite Females	2,032	999	789	210	21.0	62.0
0-15	420	--	--	--	--	--
16-17	37	24	24	0	0.0	64.9
18-19	38	0	0	0	0.0	0.0
20-24	153	33	33	0	0.0	21.6
25-34	237	137	137	0	0.0	57.8
35-44	314	297	87	210	70.7	94.6
45-64	783	500	500	0	0.0	63.8
65+	50	8	8	0	0.0	16.0

Source: Lawrence Berkeley Laboratory and Massachusetts DES
Note: For all areas, population counts by race (white, black, and other) from the 1980 census are used as population control totals for 1980. Since there are major differences in response between the 1970 census and 1980 census, the racial breakdowns for the two years are not comparable.

Table 12

Alternate Population and
Labor Force Composition Projections
Fiscal Year 1983 - Worcester LMA
Rapid Economic Recovery,
Low Unemployment Rate Projection

Category	Population	Labor Force	Employment	Unemployment	Unemploy. Rate	Labor Force Participation Rate
Total	378,758	209,861	193,482	16,369	7.8	69.5
White Male	175,419	111,974	102,905	9,069	8.1	81.2
White Female	188,784	90,832	84,515	6,317	7.0	59.2
Nonwhite Male	7,224	3,742	3,001	741	19.8	71.1
Nonwhite Female	7,331	3,313	3,071	242	7.3	61.6

Sources: Lawrence Berkeley Laboratory and
Massachusetts Division of Employment Security

Note: For all areas, population counts by race (white, black, and other) from the 1980 Census are used as population control totals for 1980. Since there are major differences in response between the 1970 Census and the 1980 Census, the racial breakdowns for the two years are not comparable.

Table 13

Population and Labor Force Composition Projections
Fiscal Year 1983
Worcester Prime Sponsor

Race and Age	Population	Labor Force	Employment	Unemployment	Unemploy. Rate	Labor Force Participation Rate
Total	293,510	149,430	136,280	13,150	8.8	64.3
White Males	134,390	79,124	71,701	7,423	9.4	68.4
0-15	29,507	--	--	--	--	--
16-17	4,899	3,107	2,433	674	21.7	63.4
18-19	4,808	3,096	2,242	854	27.6	64.4
20-24	12,883	9,430	8,472	958	10.2	73.2
25-34	25,990	24,090	22,249	1,841	7.6	92.7
35-44	18,133	16,829	15,957	872	5.2	92.8
45-64	24,266	19,807	17,960	1,847	9.3	81.6
65+	13,904	2,765	2,388	377	13.6	19.9
White Females	145,318	64,090	59,472	4,618	7.2	54.7
0-15	28,082	--	--	--	--	--
16-17	4,657	3,697	3,363	334	9.0	79.4
18-19	4,570	3,320	3,065	255	7.7	72.6
20-24	11,239	8,375	7,942	433	5.2	74.5
25-34	22,207	14,208	13,564	644	4.5	64.0
35-44	18,510	13,851	13,160	691	5.0	74.8
45-64	30,378	18,389	16,572	1,817	9.9	60.5
65+	25,675	2,250	1,806	444	19.7	87.6
Nonwhite Males	6,991	3,307	2,469	838	25.3	63.8
0-15	1,808	--	--	--	--	--
16-17	226	146	97	49	33.6	64.6
18-19	222	21	8	13	61.9	9.5
20-24	494	226	146	80	35.4	45.7
25-34	902	677	469	208	30.7	75.1
35-44	1,064	781	617	164	21.0	73.4
45-64	1,968	1,406	1,084	322	22.9	71.4
65+	307	50	48	2	4.0	16.3
Nonwhite Females	6,811	2,909	2,638	271	9.3	58.1
0-15	1,805	--	--	--	--	--
16-17	238	132	121	11	8.3	55.5
18-19	234	167	157	10	6.0	71.4
20-24	461	242	235	7	2.9	52.5
25-34	819	622	573	49	7.9	75.9
35-44	885	488	449	39	8.0	55.1
45-64	2,014	1,197	1,049	148	12.4	59.4
65+	355	61	59	7	11.5	17.2

Source: Massachusetts Division of Employment Security

III. Economic Developments and Outlook by Industry

A. Employment data by industry for the Worcester Labor Market Area are contained in Table 15.

B. Employment Outlook - Worcester LMA

Going into the spring of 1982 the economic outlook for the Worcester LMA shows reduced promise in the immediate future. Totan nonfarm payrolls have been reduced by 2.4 percent from the period being reviewed, the beginning of fiscal year 1981 through March 1982.

For many years the strong foundation of the economy of the Worcester LMA lay in its durable goods manufacturing component, but this sector has been hard hit by this deepening national recession. High interest rates and poor demand for their products have led many firms to cut way back on their capital expenditures. Local firms have gone to extensive layoffs and many of the major employees have also had a series of one or two week shutdowns, lengthened vacations, and reduced work hours to keep their production in line with demand and to avoid layoffs as much as possible.

Primary Metals has maintained a fairly stable work force overall, even improving its showing over last fiscal year. This industry includes blast furnace and steel mills, which have an uncertain future because of foreign competition as well as **the national recession.** Steel wire and related products also are depressed. Nonferrous metals such as iron, copper, aluminum and mercury have somewhat more promising prospects.

In the case of Fabricated Metals there have been some fluctuations around a slow decline in employment. This industry is being hurt by the slow pace of new home construction and of auto sales, along with foreign imports. Some products of this industry, such as tools and hardware and metal doors and sash, are key components of home construction and remodeling, while others such as fabricated structural metals have their demand set by commercial and industrial construction. Other products of this industry are required by various manufacturers of machinery, who have had to cut their demand way back. Products of this nature include screw machine products, metal stampings and valves and pipe fittings.

Machinery, except Electrical in recent years **this has** been one of the fastest growing industries in the state, especially in the sector which includes electronic computer equipment. In the Worcester LMA, however, the prospects have become cloudy as demand appears to have slacked off, not only for computers, but also such other sectors of this industry as machine tools and some types of machinery. Any improvement in business and rehiring will not take place until there is a general improvement in the national economy and the Western European economy.

Table 14
Worcester County and Massachusetts Covered Employment By Industry Divisions Annual Average 1981

Industry Division	Worcester County			Massachusetts		
	Annual Average Employment	Industry Division as Percent of Total Employment	Annual Average Wage	Average Employment	Industry Division as Percent of Total Employment	Annual Average Wage
Agriculture, Forestry & Fishing	1,032	0.4	$ 9,232	14,625	0.6	$12,743
Mining	106	N.S.	17,961	1,015	N.S.	20,143
Construction	7,030	2.8	17,135	79,285	3.0	18,579
Manufacturing	89,121	34.9	17,612	668,984	25.6	18,055
Transp. Comm., & Public Util.	10,439	4.1	18,232	116,547	4.5	20,577
Wholesale Trade	11,613	4.5	16,851	132,428	5.1	19,422
Retail Trade	43,628	17.1	7,505	450,023	17.2	8,353
Finance, Insurance & Real Estate	11,686	4.6	14,883	159,570	6.1	16,508
Services	48,282	18.9	10,605	617,988	23.7	13,266
Government	32,544	12.7		369,008	14.2	
Federal	1,916	0.7	22,696	57,295	2.2	21,415
State	6,143	2.4	15,187	82,883	3.2	15,040
Local	24,485	9.6	13,227	228,830	8.8	15,421
Total Employment	255,581	100.0	$13,940	2,609,472	100.0	$15,069

N.S. Not significant less than .05 percent

Source: ES-202, Employment, Wages, and Contributions Report

Other Durable Goods

The largest industry by far in the classification "other durable goods", representing over 60 percent of this grouping is SIC 32, Stone, Clay, Glass, and Concrete Products. The second largest industry is Electrical Machinery, with about 18 percent.

The fortunes of the Electrical Machinery industry are dependent on the general tenor of the economy, but will probably perform at a stronger pace than nonelectric machinery over the coming fiscal year, The immediate employment prospects for the stone, clay and glass segment, however, are not good, as its large export market as well as its domestic market have declined in the world wide recession. The workforce has been trimmed to meet current production demands.

The major grouping SIC 38, Instruments, should show a small employment gain, primarily in medical instruments.

Nondurable goods employs only about one-half of the number employed in durable goods manufacturing in the LMA and will probably continue to comprise about this ratio over the next fiscal year. Employment in Textiles will continue to be soft while the economy continues its present course, as it depends largely on retail purchases and on housing construction and automobile fabric orders.

The Leather industry has suffered from foreign competition, high costs of hides, and the use of substitutes. It will probably continue its gradual decline next year.

The Food industry has to feed a growing population, but long-term changes in the industry combine with the fact of reduced per capita incomes indicate some jobs fall off here.

The largest industry which is grouped into the "other nondurable goods" category is SIC 30.

The Rubber and Miscellaneous Plastic Products major group. It should do somewhat better in its plastic industries than in the rubber, but overall little change is anticipated.

The outlook for Nonmanufacturing appears to be much more favorable than for manufacturing. Wholesale and retail trade will continue to be the largest employment grouping with retail trade benefiting from the downtown resurgence aided by the opening of the Centrum.

The number of workers in Services has been coming closer each year to that engaged in trade. Its expected moderate growth in the coming year should bring it even closer. The service group is the most diverse of all divisions. Some of its fastest growing groups are personnel supply services (SIC 736), computer and data processing services (SIC 737), miscellaneous business services(SIC 739), recreational services (SIC 799), offices of assorted health practioners (SIC 804), nursing and personal care facilities (SIC 805), hospitals (SIC 806), and health and allied services (SIC 76).

Table 15
Worcester LMA
Nonagricultural Wage and Salary Employment by Major Industrial Groups with Projections for FY 1983
FY 1980 - FY 1983
(in thousands)

2 Digit SIC Code	Industry	Annual Averages FY 1980	Annual Averages FY 1981	Annual Averages FY 1982	Projected Annual Average FY 1983
	Nonagricultural Total	166.5	165.4	163.4	165.3
	Manufacturing Total	49.9	47.9	45.1	42.1
	Durable Goods	34.1	32.4	30.7	28.6
33	Primary Metals	2.2	2.1	2.2	2.1
34	Fabricated Metals	9.3	8.9	8.4	8.3
35	Machinery (Exc. Elec.)	12.5	11.7	10.6	9.5
	Other Durable Goods*	10.1	9.7	9.5	8.7
	Nondurable Goods	15.8	15.5	14.4	13.5
20	Food	1.3	1.2	1.0	0.9
22	Textiles	3.8	3.8	3.2	2.8
31	Leather	2.0	1.9	1.8	1.6
	Other Nondurable Goods+	8.7	8.6	8.4	8.2
	Nonmanufacturing	116.6	117.5	118.2	123.2
15-17	Construction	5.5	5.1	4.9	5.1
40-49	Trans., & Pub. Utilities	7.1	7.3	7.6	7.8
50-59	Wholesale & Retail Trade	35.6	36.1	36.2	37.9
60-67	Fin., Ins., & Real Estate	9.3	9.9	10.3	11.1
70-89	Services	33.2	34.8	36.2	38.6
	Government	25.9	24.3	23.0	22.7

* The "other durable goods " industries are Lumber (SIC 24), Furniture and Fixtures (SIC 25), Stove, Clay and Glass (SIC 32), Electrical Machinery (SIC 36), Transportation Equipment (SIC 37) and Instruments (SIC 38).

+ The "other nondurable goods" industries are Apparel (SIC 23), Paper (SIC 26), Printing and Publishing (SIC 27), Chemicals (SIC 28), Petroleum Industries (SIC 29), Rubber and Plastics (SIC 30), and Miscellaneous Manufacturing (SIC 39).

Source: FY 1980, FY 1981 and FY 1982: BLS-790

Table 16

Nonagricultural Employment
Annual Averages for Calendar Years 1975-1981
Worcester LMA
(in thousands)

Category	1981	1970	1979	1978	1977	1976	1975
Nonagricultural Total	165.3	166.4	165.4	161.4	152.2	147.2	141.7
Manufacturing	47.9	49.3	50.5	48.3	45.1	43.7	41.7
Durable Goods	32.4	33.7	33.8	30.8	28.1	27.5	26.2
Primary Metals	2.2	2.2	2.1	2.3	2.5	2.6	4.5
Fabricated Metals	8.9	9.2	9.5	9.2	8.7	8.7	5.1
Machinery (exc. Elec.)	11.5	12.4	11.8	9.6	7.9	7.8	8.3
Other Durable Goods	9.8	9.9	10.4	9.8	9.0	8.4	8.3
Nondurable Goods	15.5	15.6	16.7	17.5	17.0	16.2	15.5
Textiles	3.7	3.7	4.2	4.4	4.3	4.2	3.7
Leather	1.9	2.0	2.0	2.1	2.2	2.2	1.9
Other Nondurables	9.9	9.9	10.5	11.0	10.5	9.8	9.9
Nonmanufacturing	117.4	117.1	114.9	112.9	107.1	103.5	100.0
Construction	5.0	5.5	5.1	4.5	4.0	3.8	4.3
Trans. & Public Utilities	7.4	7.2	6.9	6.8	6.9	6.9	6.7
Wholesale & Retail Trade	36.1	35.8	35.2	34.3	33.2	31.7	30.8
Finance, Ins., & Real Estate	10.0	9.5	8.9	8.5	8.2	8.0	8.0
Services & Mining	35.2	33.4	32.3	30.6	28.6	27.8	26.1
Government	23.7	25.7	26.5	28.2	26.2	25.3	24.1

Source: Massachusetts Division of Employment Security
Current Employment Statistics Program

The recent decline in interest rates, starting with the prime rate, has given encouragement to the building industry that would-be home buyers will reveal their long pent-up demand and begin to build or to become buyers of new or remodeled condominums and apartments. Banks are reentering the mortgage market after dropping out because of tight money and high interest rates. This also bodes well for some gains in employment in the Finance, Insurance and Real Estate division to service this rewakened demand.

Transportation and Public Utilities should show little change. Government employment will probably see some further declines at all levels, but there will be some leveling off of reductions below the federal level.

C. Employment Review and Trends by Industry - Worcester LMA

From the beginning of fiscal year 1981 through the first half of FY 1982 (March 1982), total employment for persons living in the Worcester LMA advanced by 4,800 workers or 2.6 percent. However, nonagricultural employment, which represents covered employment located within the LMA, receded by 4,100 jobs over this time span.

Overall, nonfarm employment held to a fairly even course during the first year, but then began to feel, to an increasing extent, the national recession. Especially hard hit has been manufacturing, which by March had sunk to 45,200, the lowest number employed since November 1977. The numbers employed in the durable goods sector have been lower every month than in the corresponding month a year before.

Primary metals maintained the same employment level throughout, except for occasional slight increases. Fabricated metals was relatively unchanged until December of 1981, when it began to have monthly dips. In nonelectrical machinery, industrial machinery has declined slightly, as has office and computing machines, which includes the computer companies. Among other durables Stone, Clay and Glass remained more or less unchanged up through November 1981, since which time there have been a succession of cutbacks with many one week closings to reduce inventories without risking the loss of valuable employees. Electrical machinery has shown strong gains, starting around June of 1981 and with another spurt during the first quarter of 1982. The only other group which has added workers in the "other" category was Instruments, but the workforce is numerically small within the labor market area.

Nondurable goods manufacturing has declined, but at less than half the rate for durable goods. Food was fairly steady throughout 1981, but has weakened in 1982. Leather industries, which have been in a long period of decline, added some staff in the third quarter of 1981, but since then have had to reduce their rolls. Of the industries called "other nondurables" the largest advance was in Chemicals, in particular among pharmaceuticals; its growth has been gradual, but steady. SIC 39, Miscellaneous Manufacturing shows seasonal ups and downs, which have been fairly consistent.

Among the nonmanufacturing industries there has been very little change overall except in the case of Government, which has trimmed its forces at federal, state, and local levels. While the reduction of federal workers has been slight (-1.5%) local government work-rolls, under the pressure of Proposition 2½, have receded by 9.7 percent, while the state workforce in the area has been cut by 9 percent. These reductions, however, have been largely offset by small increases in all of the remaining nonmanufacturing divisions, except for Construction, which was somewhat behind the previous year's pace. Residential housing construction, especially in single family housing, has been poor not only because of job uncertainties or unemployment of many prospective home-buyers but also because of the high mortgage interest rates. However, new hotel construction and the work on the Worcester Centrum Civic Center have been a strong positive element in local construction. Much industrial and commercial building also has been undertaken under the financing auspices of the Massachusetts Industrial Finance Agency (MIFA).

D. Employment data by industry for the Fitchburg-Leominster SMSA are contained in Table 17.

E. Employment Outlook - Fitchburg-Leominster SMSA

The national recession has engulfed the Fitchburg-Leominster SMSA and continued decline is foreseen through Fiscal Year 1983.

The brunt of the decline will continue to be felt in manufacturing industries. The bellwether industry among durables, nonelectrical machinery, has been hit by reduced orders for capital equipment and is not expected to begin to turn around until a national recovery is well underway. There may be a slight pickup in fabricated metals, but there will continue to be be sluggishness in the other hard goods.

Among the nondurable goods industries rubber and plastics employs about 40 percent of the workers. The major portion of this industry is plastics and the rising unemployment and belt-tightening among consumers is causing a rather sharp downturn in this segment.

Nonmanufacturing is projected to hold even in FY 1983, with a few losses being offset by a few gains. Lowered mortgage interest rates should help construction to improve somewhat over its depressed state, and a modest increase in consumer confidence toward the end of FY 1983 should support some growth in retail trade hiring. Government work rolls, however, will drop some more as the impetus to control their costs will continue.

F. Employment Review and Trends by Industry -Fitchburg-Leominster SMSA

Over the period starting with fiscal year 1981 durable goods employment remained stable through the early month of 1982. Among nondurables, plastic products employment began to subside in FY 1982 after exhibiting little movement in the prior year.

FY 1982 was a year, however, in which there was some forward momentum in trade with some new sales outlets and a slight increase in construction rolls. Finance, insurance, and real estate was stagnant and government rolls fell further under the effects of Proposition 2½ and cutbacks in state and federal establishments.

Table 17

Fitchburg-Leominster SMSA
Nonagricultural Wage and Salary Employment by Major Industrial Groups with Projections for FY 1983
FY 1981 - FY 1983
(in thousands)

2 Digit SIC Code	Industry	Actual Annual Average FY 1981	Estimated Annual Average FY 1982	Projected Annual Average FY 1983
	Nonagricultural Total	40.9	40.8	39.9
	Manufacturing Total+	17.3	16.7	15.8
	Durable Goods	6.7	6.7	6.3
35	Machinery (Exc. Elec.)	4.2	4.2	4.1
24	Lumber	0.4	0.3	0.3
25	Furniture	0.4	0.4	0.3
33	Primary Metals	0.3	0.3	0.3
34	Fabricated Metals	0.4	0.5	0.5
	All Other Durables*	1.0	1.0	0.8
	Nondurable Goods+	10.5	10.0	9.5
30	Rubber & Plastics	4.0	3.7	3.4
22	Textiles	0.4	0.4	0.4
23	Apparel	1.0	0.9	0.8
26	Paper	1.8	1.7	1.6
27	Printing+	1.5	1.4	1.5
28	Chemicals	0.8	0.8	0.7
	All Other Nondurables**	1.0	1.1	1.1
	Nonmanufacturing+	24.4	24.9	24.9
15-17	Construction	1.2	1.4	1.5
40-49	Trans., & Pub. Utilities	1.7	1.7	1.8
50-59	Wholesale & Retail Trade+	7.7	8.2	8.1
60-67	Fin., Ins., & Real Estate	1.2	1.2	1.2
70-89	Miscellaneous Services	6.2	6.3	6.3
	Government	5.6	5.3	5.2

+ Figures revised from earlier estimates because of noneconomic code changes

* Includes Stone, Clay and Glass (32), Electrical Machinery and Equipment (36), Transportation Equipment (37), and Scientific Instruments (38)

** Includes Petroleum (29), Leather (31) and Miscellaneous (39)

Sources: FY 1981: ES-202 and BLS-790
FY 1982: BLS-790 and Estimates

Table 18

Covered Nonagricultural Employment
Fitchburg-Leominster SMSA
Annual Averages 1975-1981

Category	1981	1980	1979	1978	1977	1976	1975
Nonagricultural Total	38,938	38,753	39,060	34,642	33,963	33,723	32,729
Manufacturing	16,432	16,518	16,801	16,743	17,079	16,771	16,198
Durable Goods	6,740	6,817	6,996	6,225	6,434	6,451	6,558
Machinery (exc. Elec.)	4,205	4,174	4,257	3,590	3,896	3,922	4,118
Nondurable Goods	9,692	9,701	9,805	10,518	10,645	10,320	9,640
Rubber and Plastics	3,967	3,946	3,755	4,543	4,870	4,382	2,859
Nonmanufacturing	22,506	22,235	22,259	17,899	16,884	16,952	16,531
Construction	1,156	1,096	1,211	1,193	986	959	901
Trans. & Public Utilities	1,311	1,341	1,308	1,275	1,333	1,341	1,269
Wholesale & Retail Trade	8,613	8,337	8,382	8,699	8,251	8,416	8,131
Finance, Ins., & Real Estate	1,221	1,224	1,205	1,160	1,183	1,226	1,220
Services & Miscellaneous	6,015	5,910	5,830	5,572	5,131	5,010	5,010
Government	4,190	4,327	4,323	INA	INA	INA	INA

Source: Massachusetts Division of Employment Security
ES-202 Employment and Wage Summary

IV. Economic Developments and Outlook by Occupation

A. Job Openings Received and Filled by Occupational Category and Hourly Rate - Worcester LMA

ESARS Table B07 (see appendix) shows that in the first six months of Fiscal Year 1982, 3,835 job orders were received by the Employment Service offices in the Worcester LMA. Of these orders received 2,652 were filled for a placement rate of 69.2 percent. In comparison, during the first six months of Fiscal Year 1980 4,354 job orders were received, of which 3,009 were filled for a placement rate of 69.1 percent.

In the first half of Fiscal Year 1982 over a quarter of all job orders received were in the clerical field. The three largest categories clerical, service, and packaging and material handlers made up 2,683 openings or 70 percent of all orders received. The average hourly pay for the orders was $4.03 per hour.

B. Openings Received and Filled by Industrial Division and Occupational Category - Worcester LMA

ESARS Table 10 (see appendix) shows the distribution of the 3,835 jobs received during the first half of FY 1982 by industrial division. The largest proportion of job openings was in the nonmanufacturing sector, with wholesale and retail trade and services accounting for 68 percent of all orders received. Employment openings in manufacturing employment made up 17.5 percent of all openings.

C. Job Bank Openings and Average Pay - Worcester LMA

ESARS Table B07 also shows the hourly wage rate of all openings received and filled in the Worcester LMA. Of the 2,652 openings filled by the local Employment Service offices, the average pay was $3.90 per hour. Average pay was highest at $5.95 per hour for professional technical and managerial jobs, but this onlybarely topped the hourly pay for structural or construction workers of $5.91.

D. Employment Projections by Occupations - Worcester LMA

As the Manufacturing Division is projected to continue to face retrenchment in operations and hiring through the 1983 Fiscal Year, occupational opportunities are expected to be mainly for replacements and for those with special qualifications. Some openings might become available in such durable goods fields as stamp metal and furniture making.

In nonmanufacturing, where some modest growth in forecast in all segments except government, a small number of additional workers will be needed, including some craft workers and laborers in construction, sales and clerical workers in wholesale and retail trade, food service workers in restaurants and fast food outlets,and clerical and office machine operators in the finance, insurance and real estate field. The services industry should finally outstrip trade in employment by the end of the 1983 fiscal year. More professional and technical workers will be needed for computer and data processing and research and development services. Clerical workers of various kinds will be needed for many fields. The depressed times will see more customers for repair services, which will need mechanics and skilled tradesmen. Health and social services will require a range of workers from professional to clerical and service workers. The opening of the Centrum in downtown Worcester in the spring of 1982 will bring a gain in amusement services and related trade occupations. In addition to growth openings, there will be replacement openings within the nonmanufacturing sector.

However, there is not expected to be any appreciable improvement in hiring until 1983. A summer survey of employees in the central Massachusetts area by Manpower, Inc. indicated that "overall, 17 percent of the area employers polled plan to hire additional workers during the fourth quarter of 1982 (October, November December), down from 27 percent with similar intentions one year ago. Another 10 percent expect staff reductions, (as against seven percent the year before), 70 percent plan no change in staff levels and 3 percent were unsure of their hiring intentions". The expectations among employers in northern Worcester County and Fitchburg, Leominster and Gardner were even lower, with only 10 percent of the employers expecting to hire workers in the 4th quarter and 30 percent expecting to reduce their staffs. 1/

1/ Quoted from Robert Gillespie, manager of the Worcester Office of Manpower, Inc. in the"Worcester Telegram" of September 22, 1982.

Table 19

Index of High Demand Occupations by
Major Occupational Clusters
Massachusetts

- Professional and Technical Engineers
  - Electrical Engineers
  - Industrial Engineers
  - Mechanical Engineers
  - Drafters
- Health
  - Registered Nurses
  - Clinical Lab Technicians
  - Dental Hygienists
  - Radiological Technologists
  - Therapists
- Other Professionals, Managers & Proprietors
  - Personnel and Labor Relations
  - Bank, Financial Managers
  - Buyers, Wholesale and Retail
  - Purchasing Agents
  - Health Administrators
  - Managers, Superintendents of Buildings
  - Real Estate Agents, Brokers
- Clerical Occupations
  - Legal Secretaries
  - Medical Secretaries
  - Other Secretaries
  - Bookkeepers
  - Expeditors, Production Controllers
  - Insurance Adjusters, Examiners
  - Receptionists
  - Shipping and Receiving Clerks
- Craft Workers
  - Carpenters and Apprentices
  - Electricians and Apprentices
  - Painters and Apprentices
  - Plumbers and Pipefitters
  - Excavating and Grading Machine Operators
  - Heavy Equipment Mechanics
  - Air Conditioning, Heating and Refrigeration Mechanics
  - Machinists
  - Tool and Die Makers
  - Radio and Television Repairers
  - Opticians and Lens Grinders
- Operatives
  - Assemblers
  - Photographic Process Repairers
  - Fork Lift Operatives
  - Truck Drivers
  - Lathe Machine Operatives
- Service Workers
  - Cooks
  - Waitresses and Waiters
  - Dental Assistants
  - Health Aides
  - Practical Nurses
  - Child Care Workers
- Other Technical
  - Electronic Technicians
  - Computer Programmers
  - Computer Systems Analyst
  - Computer Service Technologists

Source: High Demand Occupations in Massachusetts 1981

Table 20

Ratio of Applicants to Job Openings
Selected Occupations
Worcester LMA
March 31,1982

DOT Code	Occupation	Active Applicants	Unfilled Job Openings	Ratio of Applicants to Openings
	TOTAL JOB OPENINGS	7,155	702	10/1
0-1	Professional, Technical and Managerial Occupations	852	77	11/1
	Electronics Technicians	27	0	27/0
	Licensed Practical Nurse	10	7	1/1
	Teacher, Secondary School	31	0	31/0
	Teacher, Elementary School	27	0	27/0
	Manager, Retail Store	32	1	20/0
	Manager, Food Service	26	1	26/1
2	Clerical and Sales Occupations	1,462	248	6/1
200-249	Clerical Occupations	1,172	186	6/1
250-299	Sales Occupations	290	62	5/1
	Secretary	99	21	5/1
	Clerk - Typist	49	6	8/1
	Clerk - General	195	15	13/1
	Bookkeeper	29	4	7/1
	Cashier I	54	0	54/0
	Cashier II	37	28	1/1
	Administrative Clerk	129	1	129/1
	Stock Clerk	29	0	29/0
	Receptionist	30	2	15/1
	Salesperson, General Merchandise	49	2	25/1
	Sales Clerk	42	4	11/1
	Telephone Solicitor	2	10	1/1

Table 20

Ratio of Applicants to Job Openings
Selected Occupations
Worcester LMA
March 31,1982
(continued)

DOT Code	Occupation	Active Applicants	Unfilled Job Openings	Ratio of Applicants to Openings
3	Service Occupations	1,456	212	7/1
300-309	Domestic Service	274	29	9/1
310-319	Food and Beverage	455	83	5/1
320-389	Other Service	727	100	7/1
	General Houseworker	58	14	4/1
	Counter Attendant, Lunchroom or Coffee Shop	31	50	1/1
	Waiter/Waitress, Informal	78	10	8/1
	Kitchen Helper	91	7	13/1
	Cleaner, Housekeeping	32	3	11/1
	Nurse Aide	195	19	10/1
	Security Guard	42	18	2/1
	Janitor	43	4	11/1
4	Agricultural, Fishery, Forestry and Related Occupations	97	3	32/1
5	Processing Occupations	225	3	75/1
6	Machine Trades Occupations	787	36	22/1
	Machinist	41	1	41/1
	Production Machine - Tender	31	0	31/9
	Automobile Mechanic	35	5	7/1
	Maintenance Mechanic	25	3	8/1
7	Bench Work Occupations	433	52	8/1
	Electronics Assembler	24	0	24/0
	Assembler, Small Products	50	0	50/0
	Sewing-Machine Operator	14	12	1/1

Table 20

Ratio of Applicants to Job Openings
Selected Occupations
Worcester LMA
March 31,1982
(continued)

DOT Code	Occupation	Active Applicants	Unfilled Job Openings	Ratio of Applicants to Openings
8	Structural Work Occupations	570	27	21/1
	Painter	50	0	50/0
	Carpenter	31	0	31/0
	Roofer	23	0	23/0
	Construction Worker I	82	1	82/1
	Maintenance Repairer, Building	56	2	28/1
9	Miscellaneous Occupations	1,251	44	28/1
	Tractor - Trailer - Truck Driver	59	1	59/1
	Truck Driver, Heavy	106	4	27/1
	Truck Driver, Light	43	2	22/1
	Hand Packager	102	17	6/1
	Material Handler	533	10	53/1

SOURCE: Table 96 ESARS, March 31, 1982

Table 21

APPLICANT SURPLUS AND HIGH NET DEMAND OCCUPATIONS

WORCESTER LMA, MARCH 1982

HIGH NET DEMAND OCCUPATIONS
- Licensed Practical Nurse
- Secretary
- Counter Attendant, Coffee Shop
- Security Guard
- Sewing Machine Operator
- Hand Packager

APPLICANT SURPLUS OCCUPATIONS
- Teacher, Secondary School
- Teacher, Elementary School
- Manager, Retail Store
- Manager, Food Service
- Administrative Clerk
- Stock Clerk
- Machinist
- Production Machine-Tender
- Assembler, Small Products
- Painter
- Construction Worker I
- Truck Driver, Tractor-Trailer
- Material Handler

Source: ESARS, Table 96, March 1982

E. Job Openings Received and Filled by Occupational Category and Hourly Rate - Fitchburg-Leominster SMSA

According to the ESARS cumulative data for the first six months of FY 1982 (see Table B07 of March 31, 1982 in the appendix) 822 job orders were received by the Employment Service office during this period. Of those received 506 were filled, which is a placement rate of 61.6 percent. The number of job orders received is about 25 percent less than for the same period a year earlier, when 1,090 openings were received. The category of openings most frequently received was services (26.2 percent), but the category most frequently filled was clerical (31.4 percent).

The average hourly pay for all openings filled was $4.27 per hour, just slightly more than the $4.18 rate for clerical hires.

F. Openings Received and Filled by Industrial Division and Occupational Category - Fitchburg-Leominster SMSA

According to the data in ESARS Table 10 (see appendix) nearly three-quarters of the openings received were from the two largest industry divisions, Services (41.2 percent) and Manufacturing (32.4 percent). A somewhat different picture is presented by the record of job placements, however. With a placement rate of 75.9 percent more positions (202) were filled in Manufacturing than in Services (174), where the placement rate was 51.3 percent.

G. Job Bank Openings and Average Pay - Fitchburg-Leominster SMSA

A survey of openings received by the DES in the Fitchburg-Leominster SMSA in March 1982 shows the average wage was $4.30 per hour as against $4.27 per hour for Professional, Technical and Managerial slots. Second highest was $6.42 per hour for structural work occupations. Jobs in services offered the lowest wage, $3.62 per hour.

This survey is reported in ESARS Table B07, dated March 31,1982, and summarizes openings received and filled for the first six months of FY 1982.

H. Employment Projections - Fitchburg-Leominster SMSA

With no industrial recovery or expansion anticipated through the 1983 fiscal year, most of the jobs which may arise in manufacturing industries will be of a replacement nature. Sales managers,however, are in demand and such clerical categories as administrative clerks.

Among nonmanufacturing occupations, there will be a need for some construction labor, if building picks up a little as expected, and for some computer-trained personnel in banking and other industries. Hospitals and motels will hire some service workers also. Replacement demand is expected.

Table 22

Ratio of Applicants to Job Openings
Selected Occupations
Fitchburg-Leominster SMSA
March 31, 1982

DOT Code	Occupation	Active Applicants	Unfilled Job Openings	Ratio of Applicants to Openings
	TOTAL JOB OPENINGS	1,354	109	12/1
0-1	Professional, Technical and Managerial Occupations	50	8	6/1
	Metalurgical	0	1	0/1
	Occupational Therapist	0	1	0/1
	Nurse, Licensed Practical	11	0	11/0
	Purchasing Agent	7	1	7/1
	Manager, Sales	1	4	1/4
	Administrative Assistant	15	0	15/0
	Manager, Retail Stores	16	0	16/0
	Case Worker	0	1	0/1
2	Clerical and Sales Occupations	354	36	10/1
200-249	Clerical Occupations			
250-299	Sales Occupations			
	Medical Secretary	21	1	21/1
	Stenographer	1	0	1/0
	Clerk Typist	33	0	33/0
	Keypunch Operator	6	1	6/1
	Clerk General	52	1	52/1
	Bookkeeper	20	0	20/1
	Casher I	15	0	15/0
	Teller	12	0	12/0
	Cashier II	17	0	17/0
	Computer Operator	13	0	13/0
	Accounting Clerk	16	1	16/1
	Administrative Clerk	112	24	5/1
	Telephone Operator	0	1	0/1
	Information Clerk	12	0	12/0
	Collection Clerk	0	1	0/1
	Sales Agent, Insurance	0	4	0/4
	Sales Rep. (Advertising)	1	1	23/1
	Salesperson, General Merchandise	23	1	23/1

Table 22

Ratio of Applicants to Job Openings
Selected Occupations
Fitchburg-Leominster SMSA
March 31, 1982
(continued)

DOT Code	Occupation	Active Applicants	Unfilled Job Openings	Ratio of Applicants to Openings
3	Service Occupations	284	16	18/1
300-309	Domestic Service			
310-319	Food and Beverage			
320-389	Other Service			
	Houseworker, General	8	9	8/9
	Day Worker (Domestic Service)	22	0	22/0
	Waiter, Waitress, Informal	52	0	52/0
	Bartender (Hotel & Restaurant)	12	0	12/0
	Cook (Hotel & Restaurant)	14	1	14/1
	Kitchen Helper (Hotel & Restaurant)	27	0	27/0
	Cosmetologist	14	0	14/0
	Nurse Aide	99	1	99/0
	Guard, Security (Industrial)	16	4	4/1
	Guard, Security (Merchant)	1	1	1/1
	Janitor	19	0	19/0
5	Processing Occupations	83	8	10/1
	Molding Machine Tender (Compression)	15	0	15/0
	Molding Machine Tender (Injection)	68	8	9/1
6	Machine Trade Occupations	41	6	7/1
	Machinist	12	1	12/1
	Bending Machine Operator	1	2	1/2
	Automobile Mechanic	18	1	18/1
	Heating-Air Condition Mechanic	0	1	0/1
	Stocker-Erector and Servicer	10	1	10/1
7	Bench Work Occupations	67	11	6/1
	Electronic Assembler	42	2	21/1
	Furniture Upholsterer	0	2	0/2
	Sewing Machine Operator	25	7	4/1

Table 22

Ratio of Applicants to Job Openings
Selected Occupations
Fitchburg-Leominster SMSA
March 31, 1982
(continued)

DOT Code	Occupation	Active Applicants	Unfilled Job Openings	Ratio of Applicants to Openings
8	Structural Work Occupations	86	10	9/1
	Automobile-Body Repairer	6	1	6/1
	Electronic Sound Technician	1	1	1/1
	Electronic Mechanic	7	2	4/1
	Painter (Construction)	15	0	15/0
	Carpenter	21	0	21/0
	Roofer	7	4	2/1
	Construction Worker	29	0	29/0
	Maintenance Helper (Factory, Mill)	0	2	0/2
9	Miscellaneous Occupations	389	14	28/1
	Tractor Trailer Truck Driver	28	0	28/0
	Truck Driver, Heavy	32	0	32/0
	Truck Driver, Light	13	0	13/0
	Bus Driver	13	0	13/0
	Auto-Service-Station Attendant	4	1	4/1
	Car Jockey (Auto Service)	2	1	2/1
	Packager, Hand	117	10	12/1
	Material Handler	180	2	90/1

Source: Table 96 ESARS, March 31, 1982

Table 23

High Net Demand and Applicant Surplus Occupations in Fitchburg-Leominster SMSA

March 31, 1982

High Net Demand Occupations

Sales Manager

Sales Agent, Insurance

Guard, Security (Industrial)

Bending Machine Operator

Sewing Machine Operator

Applicant Surplus Occupations

Clerk General

Waiter/Waitress, Informal

Nurse Aide

Electronic Assembler

Table 24

Characteristics of Applicants Registered at Job Matching Service Centers
by Occupational Category, Central Region, Massachusetts
Fiscal Year-to-Date September, 1982

Name of Office	Cost Center Number	Profess., Tech., & Managerial	Clerical Occupations	Sales Occupations	Service Occupations	Agric., Fish. Forestry	Processing Occupations	Machine Occupations	Benchwork Occupations	Structural Occupations	Miscell. Occupations	Total
Fitchburg	02124	1,160	1,400	243	836	157	613	636	593	735	1,486	7,876
Framingham	02125	2,129	1,061	389	599	116	52	367	311	545	803	6,394
Gardner	02127	483	605	98	474	64	107	577	509	341	590	3,851
Marlboro	02129	1,058	1,107	321	496	102	99	444	633	494	535	5,303
Milford	02126	900	905	220	420	44	117	480	284	371	976	4,722
Webster	02123	338	615	165	433	31	88	500	254	305	556	3,285
Worcester	02122	2,745	2,741	822	2,296	168	580	1,902	861	1,392	2,993	16,545
Total of Job Matching Service Offices in Central Massachusetts		8,813	8,434	2,258	5,554	682	1,656	4,906	3,445	4,183	7.939	47,976
Total Massachusetts		56,217	64,597	16,243	54,170	5,498	7,608	25,933	22,931	28,496	51,165	342,042
Central Massachusetts Applicants as Percent of Total Massachusetts Applicants		15.7	13.1	13.9	10.3	12.4	21.8	18.9	15.0	14.7	15.5	14.0

Source: ESARS, Table 96, September 30, 1982

V. Recent Trends in Unemployment

A. Recent Trends in Unemployment - Worcester LMA

After reaching an annual average unemployment rate of 11.2 percent during the last national recession in 1975, the rate in the Worcester LMA fell pretty steadily until the very end of 1980. Its lowest point during this time span occurred in October 1979, when there were only 7,100 persons unemployed and the rate was 3.7 percent. This ratio was almost attained again in December 1980, when the rate hit 3.9 percent with 7,800 out work.

Starting in January 1981, however, unemployment began to grow and to exceed that of the corresponding month in 1980, as the nation's movement into recession accelerated. The early months of 1982 have seen an even broader spread, with the March 1982 rate 2.4 percentage points above that in March 1981.

The recession in the Worcester LMA is proving to be more severe than in some past recessions, when its strong industrial base in durable goods manufacturing served to make it less vulnerable than some other areas of the state which relied on employment in such nondurable goods as apparel, textiles, and leather. In the present cycle of the economy, the Worcester LMA durable goods base is being hard hit, as many prospective customers have had to cut back on their capital expenditures for industrial plant and equipment.

B. Recent Trends in Unemployment - Fitchburg-Leominster SMSA

The recession in the Fitchburg-Leominster SMSA began to rear its head in April 1980, when, for the first time in several years unemployment began to exceed its numbers for the same month of the year before. From a low point in 1979 (October) of 1,805 out of work and a rate of 3.8 percent the rate rose in April 1980 to 5.0 percent with 2,381 jobless. During 1980 the unemployment rate peaked at 8.0 percent in June, but by November it was back down to 4.5 percent, which it maintained again in December of 1980.

The year 1981 showed an ambivalent pattern of unemployment alternating above and below and matching year before figures until the last quarter of that calendar year. At this juncture in time unemployment rapidly rose, hitting 7.5 percent in December, which was 1,700 persons and 3.0 percentage points above the comparable estimates for December 1980. By March of 1982 the jobless totalled 4,600 with the rate 8.9 percent and with double digit rates looming on the horizon. This March 1982 total was more than twice as great as it had been in April 1980, almost two years before, which we have noted as the beginning of the recession in the SMSA.

Table 25

Civilian Labor Force, Employment, Unemployment
Worcester County and
Central Massachusetts Labor Market Areas
1981 Annual Averages

Area	Civilian Labor Force	Total Employment	Total Unemployment	Unemployment Rate
Worcester County	332,572	310,874	21,698	6.5
Labor Market Areas				
Athol	11,318	10,547	771	6.8
Clinton	9,499	8,822	677	7.1
Fitchburg-Leominster	50,442	47,257	3,185	6.3
Gardner	21,481	19,928	1,553	7.2
Marlboro	59,185	56,185	3,000	5.1
Milford	18,837	17,039	1,798	9.5
Southbridge	16,433	15,256	1,177	7.2
Ware	6,418	5,854	564	8.8
Worcester	200,401	188,528	11,873	5.9

Source: Labor Area Unemployment Statistics Program, 1981 Benchmark

Note: The above areas do not add to the Worcester County Total since some of them include towns which are in Franklin, Hampshire and Middlesex Counties.

Table 26

State UI Continued Claimants and Initial Claimants
Central Massachusetts Labor Market Areas
January 1982 through September 1982

Labor Market Areas	January 1982	February 1982	March 1982	April 1982	May 1982	June 1982	July 1982	August 1982	September 1982
Worcester LMA									
Continued Claimants	7,822	7,671	6,949	7,028	5,977	6,586	7,660	8,164	6,643
Initial Claimants	960	818	696	1,041	816	767	2,520	975	862
Fitchburg-Leominster SMSA									
Continued Claimants	2,304	2,214	2,279	2,074	1,914	1,849	2,376	2,126	1,875
Initial Claimants	296	208	225	293	178	219	421	264	219
Athol LMA									
Continued Claimants	816	833	902	870	709	685	971	730	682
Initial Claimants	127	120	84	135	120	96	155	86	93
Clinton LMA									
Continued Claimants	414	423	423	435	400	377	447	461	370
Initial Claimants	60	50	52	67	37	37	47	31	34
Gardner LMA									
Continued Claimants	912	938	1,038	1,012	820	772	1,135	830	792
Initial Claimants	144	131	100	161	139	110	189	103	109
Marlborough LMA									
Continued Claimants	1,176	1,212	1,010	1,046	812	978	996	1,156	842
Initial Claimants	132	113	89	117	70	92	104	77	78
Milford LMA									
Continued Claimants	1,143	1,189	879	975	671	851	832	1,072	662
Initial Claimants	132	100	78	100	75	65	144	76	84
Southbridge LMA									
Continued Claimants	766	742	675	660	578	631	874	699	597
Initial Claimants	98	89	56	92	109	88	137	85	80
Ware LMA									
Continued Claimants	377	371	346	310	261	299	351	328	259
Initial Claimants	62	55	33	40	35	45	53	33	31
Total Central Massachusetts Labor Market Areas									
Continued Claimants	15,730	15,593	14,501	14,410	12,142	13,028	15,642	15,566	12,722
Initial Claimants	2,011	1,684	1,413	2,046	1,579	1,519	3,770	1,730	1,590

Source: Labor Area Unemployment Statistics Program

Table 27

State UI Continued Claimants and Initial Claimants
Central Massachusetts Labor Market Areas
January 1981 through December 1981

Labor Market Area	January 1981	February 1981	March 1981	April 1981	May 1981	June 1981	July 1981	August 1981	September 1981	October 1981	November 1981	December 1981
Worcester LMA												
Continued Claimants	5,824	5,771	5,336	4,501	4,231	4,236	5,989	5,606	5,004	4,367	4,934	5,909
Initial Claimants	581	792	461	881	546	1,248	604	395	543	498	752	938
Fitchburg-Leominster SMSA												
Continued Claimants	1,585	1,537	1,416	1,225	1,085	1,214	1,799	1,520	1,270	1,242	1,521	1,902
Initial Claimants	128	180	168	243	188	483	312	127	135	154	217	389
Athol LMA												
Continued Claimants	394	382	348	310	257	273	306	340	282	302	309	400
Initial Claimants	42	34	37	37	39	46	38	44	51	53	47	77
Clinton LMA												
Continued Claimants	364	344	308	261	233	268	380	320	348	264	260	319
Initial Claimants	35	44	36	50	28	64	42	38	31	39	30	52
Gardner LMA												
Continued Claimants	766	752	684	616	516	556	844	704	586	632	648	838
Initial Claimants	79	64	77	75	85	109	104	93	105	108	93	167
Marlborough LMA												
Continued Claimants	853	872	779	715	642	678	1,026	918	940	623	653	860
Initial Claimants	92	144	72	147	74	214	84	41	83	69	126	148
Milford LMA												
Continued Claimants	941	940	892	734	644	698	1,180	1,115	1,054	547	680	910
Initial Claimants	83	152	90	183	154	287	76	75	81	90	119	245
Southbridge LMA												
Continued Claimants	788	709	549	490	405	425	592	506	478	452	522	615
Initial Claimants	93	87	58	84	50	122	103	57	87	77	105	123
Ware LMA												
Continued Claimants	359	356	334	299	251	234	306	244	242	230	236	306
Initial Claimants	35	53	32	51	24	32	38	24	41	55	54	54
Total Central Massachusetts Labor Market Areas												
Continued Claimants	11,874	11,663	10,646	9,151	8,264	8,582	12,422	11,273	10,204	8,659	9,763	12,059
Initial Claimants	1,168	1,550	1,031	1,751	1,188	2,605	1,401	894	1,157	1,143	1,543	2,193

Source: Labor Area Unemployment Statistics Program

Table 28

Characteristics of Insured Unemployed in the Massachusetts Towns Within the Worcester Labor Market Area
March 1982

City or Town	City or Town Code	Total	White	Non-White	Spanish Surname	Other	Non-Coded
Auburn	502	224	221	1	0	1	1
Berlin	263	42	42	0	0	0	0
Boylston	503	55	54	0	0	1	0
Brookfield	504	38	38	0	0	0	0
Charlton	482	152	150	0	0	2	0
Douglas	483	125	125	0	0	0	0
E. Brookfield	505	39	39	0	0	0	0
Grafton	506	151	149	1	0	1	0
Holden	507	116	115	0	0	1	0
Leicester	508	172	169	1	0	1	1
Millbury	509	249	242	3	1	2	1
Northborough	269	111	103	4	1	2	1
Northbridge	292	271	271	0	0	0	0
N. Brookfield	512	76	74	1	0	0	1
Oxford	485	245	238	2	2	2	1
Paxton	514	38	38	0	0	0	0
Rutland	515	58	57	1	0	0	0
Shrewsbury	516	267	264	1	2	0	0
Spencer	517	219	216	1	0	1	1
Sterling	177	82	82	0	0	0	0
Sutton	488	82	80	0	1	1	0
Upton	293	53	52	0	0	0	1
Uxbridge	294	171	169	1	0	1	0
Webster	481	339	334	0	3	1	1
Westborough	518	103	98	4	1	0	0
W. Boylston	519	63	62	1	0	0	0
Worcester	501	2,461	2,227	105	100	19	10
LMA TOTAL		6,002	5,709	127	111	36	19

Source: Massachusetts Division of Employment Security, RS-064

Table 29

Characteristics of Insured Unemployed in The Cities and Towns Within the Fitchburg-Leominster SMSA March 1982

City or Town Code	City or Town	Total	White	Nonwhite	Spanish Surname	Other	Not Coded
	Fitchburg-Leominster SMSA-Total	1,738	1,650	25	43	9	11
161	Fitchburg	819	777	11	24	3	4
172	Leominster	603	566	10	18	4	5
176	Shirley	64	60	2	1	1	0
178	Townsend	73	73	0	0	0	0
179	Westminster	91	90	0	0	1	0
173	Lunenburg	88	84	2	0	0	2

Source: RS 064 Racial Characteristics of the Insured Unemployed.

Table 30

Characteristics of Insured Unemployed in The Cities and Towns Within Montachusett Consortium
March 1982

City or Town Code	City or Town	Total	White	Nonwhite	Spanish Surname	Other	Not Coded
162	Ashburnham	64	64	0	0	0	0
163	Ashby	26	26	0	0	0	0
164	Ayer	97	76	14	3	4	0
002	Barre	130	125	3	0	1	1
263	Berlin	42	42	0	0	0	0
264	Bolton	31	30	0	0	1	0
166	Clinton	298	268	4	17	5	4
167	Gardner	342	337	0	0	0	5
168	Groton	51	51	0	0	0	0
003	Hardwick	40	39	0	0	1	0
169	Harvard	23	23	0	0	0	0
004	Hubbardston	29	27	0	0	1	1
170	Lancaster	63	59	3	0	0	1
510	New Braintree	16	15	0	0	1	0
513	Oakham	22	22	0	0	0	0
174	Pepperell	62	60	2	0	0	0
175	Princeton	34	34	0	0	0	0
176	Shirley	64	60	2	1	1	0
177	Sterling	82	82	0	0	0	0
010	Templeton	104	102	0	0	1	1
180	Winchendon	137	134	2	0	0	1
Fitchburg-Leominster SMSA		1,738	1,650	25	43	9	11
Montachusett Consortium		3,495	3,326	55	64	25	25

Source: RS 064 Racial Characteristics of Insured Unemployed

Unemployment still is quite a bit le
recession. During those two years
digits in both calendar years, at
in 1976. The peak periods were
in February and the numbers o

The Fitchburg-Leominster SMSA
areas of the state. In March o
in magnitude, exceeded only by th
New Bedford, Fall River, and Brockt

VI. Labor Supply-Demand Imbalances

A. Trends in Occupational Demand - March 1982 versus March 1981 Worcester LMA

According to the Employment Services Automated Reporting System (ESARS), 15,727 persons had registered for services in the Worcester LMA during the first six months of Fiscal Year 1982, a period which ran from October 1, 1981 through March 1982. During the prior comparison period from October 1, 1980 through March 31, 1981 14,097 persons registered in the LMA.

For the 15,725 persons registered during the first half of fiscal year 1982, a total of 3,828 job openings were received, of which 2,651 were filled. For the comparative period of fiscal year 1981 4,321 job openings orders were received and 2,976 of them were filled.

The increase in applicants registered and the decrease in job openings received reflects the tightening of the labor market over the year.

B. Demand-Supply Imbalances - Worcester LMA

The recession has increased the number of applicant surplus occupations, but has not eliminated the needs for a number of high demand occupations. These continue to exist because of specialized training or personal traits required or a high turnover situation.

C. Labor Supply-Demand Imbalances in the Fitchburg-Leominster SMSA

The Employment Service Automated Reporting System (ESARS) showed 3,132 active applicants and 258 unfilled openings on file in the Fitchburg Job Matching Center as of March 31, 1982. The prospects for job seekers have diminished over the year with the number of applicants up by 21.5 percent while the number of unfilled openings is off by 26.3 percent.

In comparing the number of active applicants with the number of unfilled openings we find that for every unfilled opening there were 12.1 applicants looking for work through our offices. Table 22 offers ratios of applicants to job openings in selected occupations for the SMSA.

While these ratios are useful in analyzing occupational supply and demand, several qualifications must be taken into account. The local employment office receives only a small percentage of the total job openings in the labor market area. Furthermore, a large number of job listings are high-turnover ones, which need to be filled on short notice and are usually clerical or low skilled. In addition the data is skewed by the fact that openings given us are usually for entry or mid-career positions;

many positions at the top of the career ladder are filled through internal bidding. Finally, unfilled openings cannot always be verified and sometimes it is not known whether they remain unfilled.

Furthermore, many listings are mandatory and so may not represent a firm demand for or supply of jobs. For example, companies which obtain federal contracts are required to list all jobs with the employment service, even if they may be filling them otherwise. In like vein many applicants such as unemployment insurance claimants and welfare recipients are required to be listed as job applicants although they may not be regarded as a serious supply of labor by some employers.

Despite these restrictions certain guidelines can be drawn. An occupation with a ratio of greater than 3 to 1 should be considered as one with a surplus of applicants. Any occupation whose ratio consistently remains below 3 to 1 can be considered one for which employers are having difficulty finding workers.

Table 31
Applicant Surplus And High Net Demand Occupations
Fitchburg - Leominster SMSA
March 1982

A. High Net Demand Occupations

- Sales Manager
- Case Worker
- Administrative Clerk
- Insurance Sales Agent
- Houseworker
- Security Guard
- Molding Machine Tenders
- Sewing Machine Operator

B. Applicant Surplus Occupations

- Licensed Practical Nurse
- Administrative Assistant
- Clerk Typist
- General Clerk
- Salesperson, General Merchandise
- Waiters, Waitresses
- Nurse Aides
- Electronic Assembler
- Truck Drivers
- Construction Workers
- Material Handlers

VII. Individuals in Need of Employment Service

A. Barriers to Employment

Table 33 gives a comparison between March 1981 and March 1982 of characteristics of individuals in the active file for employment related assistance and the corresponding percentage change over the year within the Worcester LMA. This table is derived from data stored in the Employment Service Automated Reportings System (ESARS). The numbers of all these disadvantaged groups seeking DES aid have increased except for the handicapped. The economically disadvantaged grew by almost 25 percent, the biggest increase of any category.

The barriers affecting the employment of those who are considered economically disadvantaged are difficult for many to overcome.

These barriers include:

1. Lack of Suitable Job Openings: There may be many job orders listed with the Division of Employment Security Office, but, unfortunately, some of these jobs involve low pay, unattractive working conditions or a need for highly skilled qualifications without any training being offered to allow entry into the field.

2. Lack of Skills: Most of the economically disadvantaged have an employment background in occupations which require very little skill. Therefore, the majority of the economically disadvantaged are competing against one another for many positions of this type, thereby keeping the wage level at a low rate. Another group affected by this barrier to employment are those people making their first entry into the labor force or possibly a reentry after several years away from the labor force.

3. Language Barriers: The inability to communicate effectively in the English language compounds the difficulty in acquiring a meaningful job for many of the economically disadvantaged. There is a definite need for training progress with emphasis on "English as a second language" for those with this particular problem.

4. Age: Age presents another barrier to the economically disadvantaged in the search for suitable work. Those under the age of 22 have a difficult time obtaining a position that offers any upward mobility. In addition, many positions require several months of experience for entry. These factors make it difficult for those under the age of 22 to find a job that will give them any meaningful experience towards a more secure and better paying job. The age barrier often affects those over 40 years of age, also. Even though the law prohibits discrimination because of age many people in the category over 40 years of age find obtaining work extremely difficult due to their age.

5. Day Care Facilities: Single parents, especially women, who are economically disadvantaged, are unable to obtain work because of the lack of suitable day care centers for their children. One of the major considerations a person with responsibility for children has when seeking work is the cost and locations of day care service. Many jobs available offer a low starting wage so as to prohibit the single parent from taking the position because the wage will not be sufficient to allow for living expenses plus the cost of day care.

6. Transportation: Many low and middle income residents are unable to obtain work due to the lack of transportation. Some of the work available to these people is outside of the area served by public transportation. Furthermore, many of the night shift jobs available, which are at a higher rate of pay, are unavailable to this segment of the population due to the lack of a suitable method of transportation. The price of gasoline has aggravated the problem, also.

Table 32
Characteristics Of Individuals In The Active File For Employment Related Assistance
Worcester LMA

March 1981 and March 1982

Characteristic	March 1981	March 1982	Percent Change
Under Age 22	4,155	4,193	0.9
Over Age 40	3,437	4,047	17.7
Female	7,180	8,092	12.7
High School Dropout	6,535	6,589	0.8
Nonwhite	810	918	13.3
Hispanic	1,418	1,448	2.1
Veteran	1,984	2,224	12.1
Vietnam Era Veteran	703	834	18.6
Handicapped	580	502	-13.4
Economically Disadvantaged	4,394	5,477	24.6

Source: Table 06 ESARS, March 1982

One method of discerning those individuals in the labor force in need of employment and training services is to examine those segments which have the highest unemployment rates. These individuals are often from disadvantaged groups and will probably require the most services in order to prepare for jobs. Tables 10 and 11 on pages 20and 31 , entitled

Population and Labor Force Composition Projections include projected unemployment rates for various segments of the local population in the Worcester LMA and the Fitchburg-Leominster SMSA. Groups which are projected to have double digit unemployment rates over 10 percent are nonwhite males and nonwhite females. The rate for white females, 16-17, is expected to top 20 percent, and some age groups among nonwhites will exceed even that figure.

Table 40 gives a breakdown of the categories of applicants generally considered to be disadvantaged for economic and other reasons (statutory significance) and so more in need of employment and counseling servides of the DES.

In the Worcester LMA 45 percent of the applicants were in age groups other than the prime working years of 22 to 39. Forty-four percent were female; 36 percent had not completed 12 years of schooling, almost 13 percent were of minority races. About 12 percent of the applicants were veterans, of which 5 percent were disabled and almost 30 percent were from the Vietnam era. Thirty percent were economically disadvantaged.

In the Fitchburg-Leominster SMSA a smaller percentage, 38 percent, were from the non-prime age group, but a higher percentage were female (52 percent). A smaller population of racial minorities is reflected in the Fitchburg-Leominster SMSA statistics, but a larger ratio of veterans (15 percent). A significantly higher portion were economically disdavantaged (41 percent) than in the Worcester LMA.

Table 33
Economically Disadvantaged 18 Years and Older
FY 1983

	Total	White	Black	Other	Spanish
Fitchburg-Leominster SMSA*	6,658	6,275	175	208	279
Montachusetts CETA*	14,008	13,175	415	418	500

Source: DES and Lawrence Berkeley Lab

Table 34

Poverty-Level Guidelines
for 1982 in the Continental U.S.

Family Size	Nonfarm*	Farm**
1	$ 4,680	$ 4,010
2	6,220	5,310
3	7,760	6,610
4	9,300	7,910
5	10,840	9,210
6	12,380	10,510

* Add $1,540 for each additional family member

** Add $1,300 for each additional family member

Source: Office of Management and Budget

Proportion of Persons at Work in Nonagricultural Industries on Part-Time Status for Economic Reasons - 1983 Worcester LMA and Worcester Prime Sponsor

Table 35

Worcester LMA

Race	Sex		
	Total	Male	Female
Total	12,586	5,264	7,322
White	12,021	5,032	6,989
Nonwhite	565	232	333

Table 36

Worcester Prime Sponsor

Race	Sex		
	Total	Male	Female
Total	8,926	3,709	5,217
White	8,445	3,515	4,930
Nonwhite	481	194	287

Source: Employment and Earnings,
January 1982 - Massachusetts DES

Table 37

Economically Disadvantaged 18 Years and Older Worcester LMA and Worcester CETA

Category	Total	White	Black	Other	Spanish Surname
Worcester LMA	33,568	31,744	1,334	490	1,985
Worcester CETA	18,960	18,045	523	382	788

Source: Lawrence Berkeley Laboratory and Massachusetts
Division of Employment Security - 1982

Table 38
Employment Part-time for Economic Reasons 1983
Fitchburg-Leominster SMSA

RACE	SEX		
	TOTAL	MALE	FEMALE
TOTAL	3,243	1,291	1,952
WHITE	3,088	1,228	1,860
NON-WHITE	155	63	92

Table 39

Characteristics of Applicants Registered at Job Matching Service Centers in the Two Major Labor Market Areas
March 31, 1982

	Applicants Active to Date/FY'82	Age Groups					Sex		Highest School Grade Completed			
		16-19	20-21	22-39	40-54	55 & over	Male	Female	0-7	8-11	12	12 & over
Worcester LMA	18,243	2,450	1,728	10,003	2,993	1,054	10,151	8,092	762	5,827	7,308	4,346
Fitchburg SMSA	6,422	610	508	3,950	1,043	303	3,098	3,324	253	2,021	2,824	1,324

	Race				Veterans			Handi-capped	Econ. Disadv.	Welfare	CETA partici-pant
	White (Not Hisp.)	Black (Not Hisp.)	Hispanic	Asian and Pacific Isl.	Total	Dis-abled	Viet. Era				
Worcester LMA	15,859	758	1,448	137	2,224	116	834	502	5,477	3,033	223
Fitchburg SMSA	5,848	215	293	58	899	48	378	359	2,401	2,212	24

Table 40
Selected Characteristics of Applicants Registered at Job Matching Centers Within the Central Region, Massachusetts Fiscal Year 1982

Job Matching Center	Cost Center Number	Total	Female	Veteran	Age Groups			Minority	Economically Disadvantaged	Handi-capped	Welfare	Eligible Claimant
					Under 22	45 and Older	55 and Over					
Fitchburg	02124	8255	3452	1277	2084	1231	546	782	699	186	274	4422
Framingham	02125	7597	3134	1095	1729	1311	570	442	408	132	96	3532
Gardner	02127	4306	1804	628	1295	630	251	119	469	246	219	1972
Marlboro	02129	5489	2405	816	1414	944	371	218	332	318	95	2737
Milford	02126	5299	2396	856	1360	820	337	88	312	190	175	2762
Webster	02123	3458	1584	407	1019	524	228	92	1103	186	143	1567
Worcester	02122	18885	7012	2737	4431	3208	1426	2289	2486	383	467	8029
Total of Job Matching Center Applicants Within Central Region		53289	21787	7816	13332	8668	3729	4030	5809	1641	1469	25021
Total Massachusetts		396749	195678	45096	100242	62632	25108	59497	114610	12710	73162	148028
Central Massachusetts Applicants as a Percent of Total Mass. Applicants		13.4%	11.1	17.3	13.3	13.8	14.9	6.8	5.1	12.9	2.0	16.9

SOURCE: ESARS Table 06, September 30, 1982

Table 41

Characteristics of Applicants in Active File Registered at Job Market Centers of the Area, March 1982

	Total	Female	Veteran	Age Groups		Minority	Economically Disadvantaged
				Under 22	45 & over		
Worcester JMC	3,416	1,125	703	622	630	406	576
Fitchburg JMC	1,505	575	352	258	261	120	140
Gardner JMC	1,013	383	197	220	190	22	113
Webster JMC	724	340	67	177	120	20	214
Total	6,658	2,423	1,319	1,277	1,201	568	1,043

Source: Massachusetts Division of Employment Security

Table 42
Characteristics Of Applicants Registered At The Webster And Worcester Job Matching Centers In The Worcester Labor Market Area
March 1982

Office	Total Active Applicants	Female	Economically Disadvantaged	Veteran	Minoroty	Age Breakdown	
						Under 22	45 & Over
Webster and Worcester JMC's	4,140	1,465	790	770	426	799	750

Source: ESARS Table 96, March 1982

JOB MATCHING SERVICES

JOB MATCHING SERVICES are provided to Massachusetts workers through a network of more than 38 full-service DES Job Matching Centers and mini-offices located throughout the State. Each office provides a variety of services geared to help a wide range of workers including those who are job-ready and those who need assistance in making vocational choices or changes. DES Job Matching Centers are listed in the yellow pages telephone directory -- Employment Agency listings -- under "Employment Security".

JOB MATCHING CENTERS are staffed by professional placement interviewers and employment counselors. Job orders received from employers in Massachusetts and other states are listed on a computerized job bank. Local centers receive job orders on film and new jobs are listed on a daily basis. In many offices viewers are available so that job seekers may look at job listings which are complete except for employers' names. Jobs listed are in a variety of occupations and industries, from entry-level jobs to managerial, clerical, technical and professional openings.

VOCATIONAL COUNSELING AND TESTING services are available by appointment in all full-service Job Matching Centers. DES counselors will assist workers who need to make career choices, provide current job market information and assist with job search strategies, such as job interviews and resume-writing. Aptitude and clerical proficiency tests may be available in these offices to help job seekers assess their abilities and skills, Job Search Workshops - focusing on how to write resumes and the correct way to handle a job interview are now conducted in many DES Job Matching Centers.

JOB FAIRS AND JOB RECRUITMENT activities are frequently planned by Job Matching Centers. Job fairs may be organized by DES independently or in cooperation with local organizations such as the Chamber of Commerce, schools or employers. Many employers use the local Job Matching Centers for on-site recruitments to fill jobs when there are a large number of openings available. These events -- job fairs, special recruitments and career days -- benefit job seekers by exposing them to many job openings and by affording them the opportunity to be interviewed by a variety of employers at one location.

COMPUTER - ASSISTED JOB MATCHING is available in a number of Job Matching Centers. The qualifications of each job seeker are entered into the computer system and are matched daily against all job orders received by employers. A print-out is received the following day with a list of qualified applicants, who best meet the employer's specifications, for each job order. The local Job Matching Center then contacts applicants to arrange for interviews.

PLACEMENT SPECIALISTS ARE ASSIGNED to each full-service Job Matching Center to help job seekers with special concerns and needs. Handicapped workers, older workers, veterans and youth, have available trained interviewers or counselors with whom they can consult on job search activities. These specialists have information on special programs when appropriate and on available training and job placement programs.

DIVISION OF EMPLOYMENT SECURITY YOUTH SERVICES

THE YOUTH BRIDGE PROGRAM has been developed by the Massachusetts Division of Employment Security (DES) to help youth to make the transition from school to work. DES staff members work with young people while they are in school helping them to learn about the job market and to develop job search skills. There are three principal components to the DES Youth Bridge Program.

THE IN-SCHOOL JOB MATCHING PROJECT is a Statewide program currently providing services to 25 Massachusetts high schools. DES placement specialists are located in the high schools, usually on a full-time basis, to provide job matching services to students graduating and entering the full-time job market; needing part-time jobs after school; looking for summer jobs. DES specialists provide employment counseling, job market information, job referrals and development of job opportunities. While the In-School Program is targeted to graduating students who will not be continuing their educations, counseling and placement services are also available to help potential high school dropouts find full-time jobs. During the past fiscal year, more than 4500 students were placed in jobs by the DES in-School Program.

THE HIGH SCHOOL GRADUATES INITIATIVE was started in 1981 by DES to help high school seniors throughout Massachusetts make the transition from school to work. DES Job Matching Centers actively worked with 220 of the 303 Massachusetts high schools; 6100 seniors, who were going directly from school to full-time jobs, were registered to receive job placement services from DES. Services provided by DES ranged from interviews on-site at the schools, job workshops, career days, employment counseling, vocational testing, and job referrals. Eleven percent of Massachusetts high school seniors entering the labor market - more than 2300 students - were placed in jobs during the past fiscal year.

THE YOUTH SUMMER JOBS PROGRAM begins in early spring and continues through the summer months. In 1981 more than 8550 young people were helped to find summer employment by DES. Job Matching Center staff members help to place people in private sector summer jobs and in the State summer jobs program, primarily with the Metropolitan District Commission and the Department of Environmental Management.

DES has also offered summer work experience to high school guidance counselors who wish to learn more about the current and future job market and about employment counseling and placement services available to high school youth through DES. Through this innovative program, during the past three summers, DES has forged closer working relationships with 120 school guidance counselors.

DES JOB MATCHING CENTERS provide a variety of services to any young person needing assistance in making career choices or finding employment. DES full-service offices offer employment counseling, vocational testing, job market information, job search workshops, job listings and job referrals.

More information on DES youth programs is available at any DES Job Matching Center, or by calling the Youth Services Division at 727-6580.

JOB SEARCH RESOURCES

There are many resources available to help you in your job search. These may include organizations and publications that you have not considered and which are readily available at little or no cost.

Depending on your past job experience and your future career plans some of the resources below may be more appropriate for you than others. Look at all your options, make a career plan, and begin the full-time job of finding a job. Good luck!

U.S. DEPARTMENT OF LABOR publications can be found in libraries, guidance departments and in Division of Employment Security (DES) Job Matching Centers throughout Massachusetts. These publications include:

Occupational Outlook Handbook, U.S. Department of Labor; a major source of vocational guidance information for hundreds of occupations. Describes what workers do on the job, salary requirements and future availability of jobs.

Occupational Outlook Quarterly, U.S. Department of Labor; a periodical to help job seekers keep abreast of occupational employment developments. Contains articles on emerging occupations, training opportunities and career counseling programs.

Dictionary of Occupational Titles, U. S. Department of Labor; provides up-to-date descriptions for the majority of occupations, and characteristics of most jobs.

Occupational Outlook for College Graduates, U. S. Department of Labor; a publication with information about more than 100 jobs that require education beyond high school.

Employment Outlook for College Graduates in New England, U. S. Department of Labor; current information about job openings furnished by placement directors from a representative sample of New England schools.

While the titles of some of these publications may indicate they are targeted to recent college graduates, these booklets contain valuable job market information for people making job changes and doing career planning.

DES JOB MARKET RESEARCH publications - include data on the occupational and industrial outlook in Massachusetts and on employment rates in the State's major cities and labor market areas. These publications are mailed to libraries and schools and are available in DES Job Matching Centers. They include:

Employment Requirements By Occupation, By Industry, Occupational/Industry Research publication, Massachusetts Division of Employment Security; this report forecasts the job outlook in Massachusetts through 1985.

"Put Your Knowledge to Work" -- A Job Market Guide for Liberal Arts Graduates explains which occupations look promising for recent college graduates. The guide provides an industrial profile of Massachusetts, a list of some of the State's largest employers as well as an overview of the fields that offer liberal arts graduates the best job opportunities.

CLASSIFIED ADVERTISEMENTS are an excellent source of career information. In addition to newspaper classified advertisements, similar help-wanted ads appear in professional journals and trade publications. Newspaper classified ads will provide you with a broad range of job openings and an overall view of the current job market in a particular geographical area. Advertisements in professional and trade journals provide job market information in a particular career field. Depending on the distribution of the journal, these openings may be statewide, regional or nationwide. Job seekers can obtain a great deal of information through the analysis of these ads: salary ranges, current job requirements such as education and experience, industries in which jobs are available, and geographical locations.

YELLOW PAGES of the telephone directory, along with industrial and Chamber of Commerce directories list names of firms in various industries that may have jobs open. These directories can be extremely helpful for job seekers who want to develop their own jobs as opposed to responding to help wanted advertisements. The telephone company may have yellow pages directories for major cities in Massachusetts and other states, and libraries usually have copies of Industrial and Chambers of Commerce directories.

SCHOOL, COLLEGE, TRADE UNION AND PROFESSIONAL associations may have jobs listed with them by alumni or members. These sources provide good job leads for people interested in jobs in a particular field or with a particular industry.

DES JOB MATCHING SERVICES are available to all job seekers through a network of more than 42 full-service Job Matching Centers and mini-offices located throughout the State. Placement interviewers and employment counselors will help people to find jobs and will work with individuals who need help in making vocational choices or changes. Computer-assisted job matching is available in a number of offices to provide even more efficient placement services. In many DES Job Matching Centers self-service units are available to job seekers. Microfiche viewers in these units have listings of jobs open statewide. These listings are an excellent source of job market information and can be viewed independently of seeing a placement interviewer. DES Job Matching Centers are listed in the yellow pages telephone directory -- Employment agency listings -- under Employment Security.

VIII. Training Programs - Covers Fitchburg and Worcester Areas

Bay State Skills Corporation

The Bay State Skills Corporation (BSSC) is a state funded organization created in 1981 to provide matching grants to train Massachusetts citizens for jobs in growing private sector industries. A major aim of BSSC programs is to create ongoing partnerships between businesses and academic institutions. The BSSC provides funds for training in such occupations as machine operators, nuclear medicine technologists, tool and die makers, respiratory therapy technicians, registered and licensed practical nurses, and electronic technicians.

The BSSC has targeted certain groups to be primary recipients of job training. These include economically disadvantaged youth age 16 to 21 who live in urban areas. This group's high unemployment rate is of concern when considering job training strategies. The program will also provide money for job training of public employees who are among at least 50 persons in a locality whose jobs were eliminated because of Proposition 2½. State residents formerly employed by private companies are eligible for job training if they are one of at least 75 workers who have lost their jobs permanently because of layoffs, shutdowns, or a natural catastrophe involving one or several employers in an area. Finally, individuals receiving public assistance from the state, including recipients of Aid to Families with Dependent Children, are also eligible for job training under the state program.

The Career and Learning Line (CALL)

The Bay State Skills Corporations and the Massachusetts Occupational Information Coordinating Committee are sponsoring a telephone hotline with up to date career and educational information entitled "The Career and Learning Line" (CALL). This service went into effect on April 5, 1982, and offers descriptive information on over 400 different occupations along with specifics on educational and skills training programs available statewide. CALL will operate weekdays from 9:AM to 5:PM. To reach CALL dial 523-7617 in the Greater Boston Area; outside of Boston dial toll free; 1-800-882-2037.

Work and Training Program (WTP)

The Massachusetts Division of Employment Security entered into the Work and Training Program (WTP) on April 12, 1982. This program is designed to assist recipients of Aid to Families with Dependent Children (AFDC) in obtaining employment. Under WTP, DES Job Club Centers will be providing the following basic job search services:

Group Job Search (Job Club)
Individual Employment Search (IES)
Independent Job Search (IJS)

Two of the above three services (Job Club, IES) are intensive five week structured job seeking activities intended to be provided on an "up front" basis (shortly after the initial registration, before an individual is assessed for work experience or training). The third (IJS) is administered after an individual has been unsuccessful in his/her initial five week job search efforts, has been reassessed by the Welfare Department, and has subsequently been returned to the DES Job Club Center for additional job search services.

During their initial five weeks in Job Clubs, or IES, WTP registrants are taught successful job search techniques, as well as given support and encouragement from Job Club leaders or IES counselors. IJS, while not as intensive or structured as Job Club or IES, gives WTP registrants a further opportunity to utilize their recently acquired job search skills over an extended period of time, under the guidance of a Job Club Center staff person.

Vocational Rehabilitation Training

One of the goals of the Massachusetts Division of Employment Security is to find suitable training and employment opportunities for the physically and emotionally handicapped. On a referral basis, the Division works closely with the Massachusetts' Rehabilitation Commission (MRC) towards this end. The Rehabilitation Commission will work both with the client and prospective employer to overcome barriers to gainful employment. The MRC helps employers hire the handicapped by providing:

a. a screened and tested job-ready applicant.
b. a job follow-along by professional counselors.
c. a partial reimbursement for on-the-job training
d. help with any problems ranging from architectural barriers to compliance with affirmative action.
e. the expertise of counselors as consultants.

The Morgan Memorial Goodwill Industries is another avenue through which the handicapped can become employed. Morgan Memorial has found that the handicapped can perform many tasks for industry such as: packaging, assembly, salvaging, manufacturing, mailing,crimping, grommeting, color coding, weaving, sorting, bar sealing, preforming electronic components, inspection, and shipping. These tasks and others can be performed well at a labor saving cost to industry, while providing employment and training to the handicapped. It is important for business to realize the benefits of this service in order to keep the handicapped in Morgan Memorial Goodwill Industries working and developing skills. This process may ultimately lead to the handicapped person taking his place in the workforce by being able to secure a job on his own.

Technical High Schools in Central Massachusetts

There are four technical high schools which serve South-Central Massachusetts. They are the Worcester Vocational Technical High School, Assabet Valley Regional High School (in Marlboro), Blackstone Valley Regional High School (in Upton), and Bay Path Vocational High School (in Charlton).

Northern Worcester County has two similar schools, Leominster Trade High and Montachusett Regional Vocational-Technical School.

All these above offer the customary assortment of vocational and technical courses.

Nursing Schools in Central Massachusetts

A. Practical Nursing Programs

The following schools offer practical nursing programs and/or training for other health related occupations. Assobet Valley Regional Vocational School (Marlboro) and Fanning School of Practical Nursing (Worcester).

B. Schools of Nursing Diploma Program

In addition to some two and four year schools which prepare people to become registered nurses, the following schools offer Diploma Programs for registered nurse training;Leominster Hospital School of Nursing (Leominster), St. Vincent Hospital School of Nursing (Worcester), Worcester City Hospital School of Nursing (Worcester), and Worcester Hahneman.

Comprehensive Employment and Training Act (CETA)

The Comprehensive Employment and Training Act of 1973 was developed in Washington to establish a new community employment service to provide job training as well as job placement and other supportive services to persons in need of such assistance. Nine Prime Sponsors were appointed, one of which is based in Worcester. There is also a Balance of State program, which operates through a number of consortiums (or sub-grantees) one of which is the Gardner Consortium, which includes twenty-six cities and towns, which are from six different labor market areas and also from the no labor area (balance of state) towns. The list of communities serviced is as follows:

Athol LMA:	Barre
Clinton LMA:	Clinton, Lancaster
Fitchburg-Leominster SMSA:	Fitchburg, Leominster, Lunenburg, Shirley, Townsend, and Westminster.
Marlboro LMA:	Bolton
Ware LMA:	Hardwick, New Braintree, Oakham
Worcester LMA:	Berlin, Sterling
No. LMA:	Ayer, Groton, Harvard, Pepperell

The subgrantee responsible for the delivery of CETA services to the Fitchburg-Leominster SMSA is the city of Fitchburg, presently contracting with the Montachusetts Employment and Training Program Inc., of Gardner to provide job training and employment opportunities. The service delivery areas may be realigned to meet the specifications of the Job Training Partnership Act.

The Work Incentive Act (WIN)

This program was administered by the Division of Employment Security with referrals by the Welfare Department, The program provided employment, training and social services to welfare recipients covered by Aid to Families with Dependent Children (AFDC). The Worcester WIN program administered to the municipalities of Auburn, Boylston, Holden, Leicester, Millbury, Paxton, Shrewsbury, and Worcester. The Work and Training Program has replaced WIN in Massachusetts.

Table 43
Fitchburg - Leominster And Worcester WIN Team
Individuals Serviced October 1, 1981 - March 31, 1982

Category	Worcester Win Team Number	Fitchburg Leominster Win Team Number
Registrants	3,000	2,176
New Registrants (during March)	124	121
Appraisals	557	515
Institutional Training	40	4
Work Experience	12	4
Suspense	121	118
On-The-Job Training	26	5
Entered Employment Lasting 30 days or more	299	169

Source: Massachusetts Division of Employment Security

APPENDIX

Table 1

TABLE B07 03/31/82 MASSACHUSETTS SMSA 2600 TABLE B07

JOB OPENINGS RECEIVED AND FILLED BY OCCUPATIONAL CATEGORY AND HOURLY WAGE RATE

ITEM NO	ITEM		TOTAL NONAG AND AG	UNDER $3.35	$3.35- $3.84	$3.85- $3.99	$4.00- $4.49	$4.50- $4.99	$5.00- $5.49	$5.50- $5.99	$6.00- $6.49	$6.50- $6.99	$7.00 AND OVER	AVERAGE	OTHER*
A	B		C	D	E	F	G	H	I	J	K	L	M	N	O
	OPENINGS RECEIVED														
B07010	TOTAL		822	7	339	17	177	48	36	16	29	6	49	4.30	98
B07015	0-1	PROF TECH MGR	38	3	2	0	2	1	4	5	3	0	14	6.53	4
B07020	20-24	CLERICAL	196	1	37	0	32	22	9	3	0	1	0	4.13	91
B07025	25-29	SALES	31	1	17	0	9	1	1	1	0	0	0	3.71	1
B07030	30	DOMESTIC	14	0	14	0	0	0	0	0	0	0	0	3.66	0
B07035	31-39	OTHER SERVICES	201	2	163	0	23	4	5	0	2	0	2	3.62	0
B07040	4	FARM F & F	4	0	1	0	0	2	0	0	0	0	1	5.05	0
B07045	5	PROCESSING	79	0	39	0	23	2	8	2	2	1	2	4.18	0
B07050	6	MACHINE TRADES	44	0	7	1	8	2	5	3	11	1	6	5.24	0
B07055	7	BENCH WORK	63	0	38	0	24	1	0	0	0	0	0	3.74	0
B07060	8	STRUCTURAL	36	0	0	0	8	3	4	0	7	0	14	6.42	0
B07065	90-91	MOTOR FRGT, TRANSP	20	0	1	0	8	4	0	0	3	2	0	4.74	2
B07070	92	PKG MTRL HNDL	82	0	20	9	40	6	0	1	0	0	6	4.37	0
B07075	93-97	OTHER	14	0	0	7	0	0	0	1	1	1	4	5.43	0
	OPENINGS FILLED														
B07085	TOTAL		506	5	164	13	126	33	29	6	10	3	23	4.27	94
B07090	0-1	PROF TECH MGR	13	2	2	0	2	0	1	0	0	0	6	5.62	0
B07095	20-24	CLERICAL	159	1	17	0	25	18	5	3	0	0	0	4.18	90
B07100	25-29	SALES	20	0	8	0	8	1	1	0	0	0	0	3.83	2
B07105	30	DOMESTIC	3	0	3	0	0	0	0	0	0	0	0	3.48	0
B07110	31-39	OTHER SERVICES	64	2	41	0	12	3	3	0	2	0	1	3.88	0
B07115	4	FARM F & F	3	0	2	0	0	0	0	0	0	0	1	4.84	0
B07120	5	PROCESSING	76	0	38	0	21	1	10	2	1	1	2	4.18	0
B07125	6	MACHINE TRADES	22	0	5	1	4	1	5	0	4	0	2	4.91	0
B07130	7	BENCH WORK	48	0	31	0	17	0	0	0	0	0	0	3.73	0
B07135	8	STRUCTURAL	16	0	0	0	3	2	4	0	2	0	5	5.72	0
B07140	90-91	MOTOR FRGT, TRANSP	9	0	1	0	3	2	0	0	0	1	0	4.49	2
B07145	92	PKG MTRL HNDL	66	0	16	7	31	5	0	1	0	0	6	4.48	0
B07150	93-97	OTHER	7	0	0	5	0	0	0	0	1	1	0	4.54	0
	FEDERAL CONTRACTOR JOB LISTING OPENINGS RECEIVED														
B07160	TOTAL		78	1	7	9	15	10	4	1	6	3	22	5.78	0
B07165	0-1	PROF TECH MGR	10	1	0	0	0	0	1	0	2	0	6	8.14	0
07170	20-24	CLERICAL	10	0	0	0	5	4	0	0	0	1	0	4.61	0
07175	25-29	SALES	0	0	0	0	0	0	0	0	0	0	0	0.00	0
07180	30	DOMESTIC	0	0	0	0	0	0	0	0	0	0	0	0.00	0

*1 OTHER INCLUDES WAGES NOT PAID ON A TIME BASIS.

SMSA 2600

MONTHLY YEAR TO DATE
FOR PERIOD ENDING 03/31/82 PAGE 001

Note: SMSA 2600 is the Fitchburg-Leominster SMSA

Table 1

TABLE B07 03/31/82 MASSACHUSETTS SMSA 2600 TABLE B07

JOB OPENINGS RECEIVED AND FILLED BY OCCUPATIONAL CATEGORY AND HOURLY WAGE RATE

ITEM NO	ITEM	TOTAL NONAG AND AG	UNDER $3.35	$3.35- $3.84	$3.85- $3.99	$4.00- $4.49	$4.50- $4.99	$5.00- $5.49	$5.50- $5.99	$6.00- $6.49	$6.50- $6.99	$7.00 AND OVER	AVERAGE	OTHER*
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
B07185	31-39 OTHER SERVICES	9	0	1	0	6	2	0	0	0	0	0	4.29	0
B07190	4 FARM F & F	1	0	0	0	0	0	0	0	0	0	1	7.41	0
B07195	5 PROCESSING	3	0	3	0	0	0	0	0	0	0	0	3.57	0
B07200	6 MACHINE TRADES	10	0	1	0	0	0	3	0	4	0	2	6.04	0
B07205	7 BENCH WORK	0	0	0	0	0	0	0	0	0	0	0	0.00	0
B07210	8 STRUCTURAL	3	0	0	0	0	0	0	0	0	0	3	8.27	0
B07215	90-91 MOTOR FRGT, TRANSP	2	0	0	0	0	0	0	0	0	2	0	6.72	0
B07220	92 PKG MTRL HNDL	24	0	2	8	4	4	0	0	0	0	6	5.32	0
B07225	93-97 OTHER	6	0	0	1	0	0	0	1	0	0	4	6.75	0

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FEDERAL CONTRACTOR JOB LISTING OPENINGS FILLED

ITEM NO	ITEM	TOTAL NONAG AND AG	UNDER $3.35	$3.35- $3.84	$3.85- $3.99	$4.00- $4.49	$4.50- $4.99	$5.00- $5.49	$5.50- $5.99	$6.00- $6.49	$6.50- $6.99	$7.00 AND OVER	AVERAGE	OTHER*
B07235	TOTAL	41	0	9	7	9	3	2	0	0	1	10	5.35	0
B07240	0-1 PROF TECH MGR	1	0	0	0	0	0	0	0	0	0	1	11.33	0
B07245	20-24 CLERICAL	6	0	0	0	4	2	0	0	0	0	0	4.32	0
B07250	25-29 SALES	0	0	0	0	0	0	0	0	0	0	0	0.00	0
B07255	30 DOMESTIC	0	0	0	0	0	0	0	0	0	0	0	0.00	0
B07260	31-39 OTHER SERVICES	6	0	0	0	5	1	0	0	0	0	0	4.37	0
B07265	4 FARM F & F	1	0	0	0	0	0	0	0	0	0	1	7.41	0
B07270	5 PROCESSING	6	0	6	0	0	0	0	0	0	0	0	3.58	0
B07275	6 MACHINE TRADES	6	0	2	0	0	0	2	0	0	0	2	5.72	0
B07280	7 BENCH WORK	0	0	0	0	0	0	0	0	0	0	0	0.00	0
B07285	8 STRUCTURAL	0	0	0	0	0	0	0	0	0	0	0	0.00	0
B07290	90-91 MOTOR FRGT, TRANSP	1	0	0	0	0	0	0	0	0	1	0	6.72	0
B07295	92 PKG MTRL HNDL	13	0	1	6	0	0	0	0	0	0	6	6.30	0
B07300	93-97 OTHER	1	0	0	1	0	0	0	0	0	0	0	3.85	0

*1 OTHER INCLUDES WAGES NOT PAID ON A TIME BASIS.

SMSA 2600 MONTHLY YEAR TO DATE
FOR PERIOD ENDING 03/31/82 PAGE 002

Table 2

TABLE 10 - ALL JOB OPENINGS 03/31/82 MASSACHUSETTS SMSA 2600 TABLE 10
OPENINGS RECEIVED AND FILLED BY INDUSTRIAL DIVISION AND OCCUPATIONAL CATEGORY

ITEM NO	OCCUPATIONAL CATEGORIES AND DIVISIONS	OPENINGS BY INDUSTRIAL DIVISION										
		TOTAL	AGR FOR & FISH	MINING	CONSTR	MFG	TRANSP & UTIL	WHS & RETAIL TRADE	FINANCE INS & REAL ESTATE	SER-VICES	PUBLIC ADMIN-ISTRA-TION	GOVT
A	B	C	D	E	F	G	H	I	J	K	L	M
	OPENINGS RECEIVED											
10010	TOTAL	822	2	0	17	266	20	111	34	339	33	43
10015	0-1 PROF TECH MGR	38	0	0	0	11	2	5	1	12	7	7
10020	20-24 CLERICAL	196	1	0	2	37	3	21	25	103	4	8
10025	25-29 SALES	31	0	0	0	0	2	19	5	5	0	0
10030	30 DOMESTIC	14	0	0	0	0	0	0	0	14	0	0
10035	31-39 OTHER SERVICES	201	0	0	0	10	1	31	0	156	3	3
10040	4 FARM F & F	4	1	0	0	0	0	1	0	1	1	1
10045	5 PROCESSING	79	0	0	1	56	0	3	0	19	0	0
10050	6 MACHINE TRADES	44	0	0	0	25	1	10	0	4	4	4
10055	7 BENCH WORK	63	0	0	0	47	0	0	0	14	2	2
10060	8 STRUCTURAL	36	0	0	13	11	2	1	0	3	6	6
10065	90-91 MOTOR FRGT, TRANSP	20	0	0	0	0	5	12	3	0	0	6
10070	92 PKG MTRL HNDL	82	0	0	1	66	4	8	0	1	2	2
10075	93-97 OTHER	14	0	0	0	3	0	0	0	7	4	4
	OPENINGS FILLED											
10085	TOTAL	506	1	0	9	202	18	77	13	174	12	14
10090	0-1 PROF TECH MGR	13	0	0	0	3	2	2	0	5	1	1
10095	20-24 CLERICAL	159	0	0	1	26	3	19	10	97	3	6
10100	25-29 SALES	20	0	0	0	0	2	15	3	0	0	0
10105	30 DOMESTIC	3	0	0	0	0	0	0	0	3	0	0
10110	31-39 OTHER SERVICES	64	0	0	0	8	1	20	0	32	3	2
10115	4 FARM F & F	3	1	0	0	0	0	1	0	0	1	1
10120	5 PROCESSING	76	0	0	1	56	0	3	0	16	0	0
10125	6 MACHINE TRADES	22	0	0	0	16	0	4	0	1	1	1
10130	7 BENCH WORK	48	0	0	0	35	0	0	0	13	0	0
10135	8 STRUCTURAL	16	0	0	6	6	2	1	0	1	0	0
10140	90-91 MOTOR FRGT, TRANSP	9	0	0	0	0	4	5	0	0	0	0
10145	92 PKG MTRL HNDL	66	0	0	1	51	4	7	0	1	2	2
10150	93-97 OTHER	7	0	0	0	1	0	0	0	5	1	1
	FILL RATE											
10160	TOTAL	61.6	50.0	0.0	52.9	75.9	90.0	69.4	38.2	51.3	36.4	32.6
10165	0-1 PROF TECH MGR	34.2	0.0	0.0	0.0	27.3	100.0	40.0	0.0	41.7	14.3	14.3
10170	20-24 CLERICAL	81.1	0.0	0.0	50.0	70.3	100.0	90.5	40.0	94.2	75.0	75.0
10175	25-29 SALES	64.5	0.0	0.0	0.0	0.0	100.0	78.9	60.0	0.0	0.0	0.0
10180	30 DOMESTIC	21.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.4	0.0	0.0
10185	31-39 OTHER SERVICES	31.8	0.0	0.0	0.0	80.0	100.0	64.5	0.0	20.5	100.0	66.7

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Table 2

TABLE 10 - ALL JOB OPENINGS 03/31/82 MASSACHUSETTS SMSA 2600 TABLE 10
OPENINGS RECEIVED AND FILLED BY INDUSTRIAL DIVISION AND OCCUPATIONAL CATEGORY

ITEM NO	OCCUPATIONAL CATEGORIES AND DIVISIONS	OPENINGS BY INDUSTRIAL DIVISION										
		TOTAL	AGR FOR & FISH	MINING	CONSTR	MFG	TRANSP & UTIL	WHS & RETAIL TRADE	FINANCE INS & REAL ESTATE	SER-VICES	PUBLIC ADMIN-ISTRA-TION	GOVT
A	B	C	D	E	F	G	H	I	J	K	L	M
10190 4	FARM F & F	75.0	100.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	100.0	100.0
10195 5	PROCESSING	96.2	0.0	0.0	100.0	100.0	0.0	100.0	0.0	84.2	0.0	0.0
10200 6	MACHINE TRADES	50.0	0.0	0.0	0.0	64.0	0.0	40.0	0.0	25.0	25.0	25.0
10205 7	BENCH WORK	76.2	0.0	0.0	0.0	74.5	0.0	0.0	0.0	92.9	0.0	0.0
10210 8	STRUCTURAL	44.4	0.0	0.0	46.2	54.5	100.0	100.0	0.0	33.3	0.0	0.0
10215 90-91	MOTOR FRGT, TRANSP	45.0	0.0	0.0	0.0	0.0	80.0	41.7	0.0	0.0	0.0	0.0
10220 92	PKG MTRL HNDL	80.5	0.0	0.0	100.0	77.3	100.0	87.5	0.0	100.0	100.0	100.0
10225 93-97	OTHER	50.0	0.0	0.0	0.0	33.3	0.0	0.0	0.0	71.4	25.0	25.0

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Table 3

TABLE B07 03/31/82 MASSACHUSETTS SMSA 9240 TABLE B07

JOB OPENINGS RECEIVED AND FILLED BY OCCUPATIONAL CATEGORY AND HOURLY WAGE RATE

ITEM NO	ITEM	TOTAL NONAG AND AG	UNDER $3.35	$3.35- $3.84	$3.85- $3.99	$4.00- $4.49	$4.50- $4.99	$5.00- $5.49	$5.50- $5.99	$6.00- $6.49	$6.50- $6.99	$7.00 AND OVER	AVERAGE	OTHER*
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
	OPENINGS RECEIVED													
B07010	TOTAL	3835	44	2316	60	775	172	186	58	48	14	159	4.03	3
B07015	0-1 PROF TECH MGR	157	0	15	0	18	21	16	13	10	6	55	6.85	3
B07020	20-24 CLERICAL	1032	0	671	22	221	41	59	8	4	0	6	3.78	0
B07025	25-29 SALES	372	0	348	2	5	6	4	0	4	0	3	3.49	0
B07030	30 DOMESTIC	50	3	38	0	7	0	2	0	0	0	0	3.42	0
B07035	31-39 OTHER SERVICES	916	39	493	5	336	22	12	0	2	2	5	3.72	0
B07040	4 FARM F & F	16	0	9	0	2	4	0	1	0	0	0	3.91	0
B07045	5 PROCESSING	74	0	21	16	21	3	11	1	1	0	0	4.10	0
B07050	6 MACHINE TRADES	205	0	60	13	38	21	27	14	12	2	18	4.68	0
B07055	7 BENCH WORK	127	0	93	0	16	8	7	1	0	1	1	3.82	0
B07060	8 STRUCTURAL	128	0	41	0	36	12	24	4	11	1	36	5.80	0
B07065	90-91 MOTOR FRGT, TRANSP	58	0	21	0	13	1	12	4	0	0	7	4.85	0
B07070	92 PKG MTRL HNDL	685	2	543	2	49	32	12	12	4	1	28	3.95	0
B07075	93-97 OTHER	15	0	0	0	13	1	0	0	0	1	0	4.20	0
	83 OPENINGS FILLED													
B07085	TOTAL	2652	23	1767	36	495	96	90	30	28	5	80	3.90	2
B07090	0-1 PROF TECH MGR	37	0	3	0	10	4	5	1	3	0	9	5.95	2
B07095	20-24 CLERICAL	741	0	564	7	133	14	17	1	1	0	4	3.65	0
B07100	25-29 SALES	233	0	220	1	1	6	2	0	2	0	1	3.45	0
B07105	30 DOMESTIC	21	3	13	0	4	0	1	0	0	0	0	3.34	0
B07110	31-39 OTHER SERVICES	572	18	327	4	199	13	5	0	1	0	5	3.75	0
B07115	4 FARM F & F	9	0	8	0	0	1	0	0	0	0	0	3.48	0
B07120	5 PROCESSING	54	0	18	8	22	2	0	2	1	1	0	4.05	0
B07125	6 MACHINE TRADES	143	0	43	14	28	12	20	7	9	1	9	4.53	0
B07130	7 BENCH WORK	93	0	75	0	8	5	4	0	0	0	1	3.75	0
B07135	8 STRUCTURAL	93	0	0	0	27	9	16	4	9	2	26	5.91	0
B07140	90-91 MOTOR FRGT, TRANSP	30	0	9	0	8	0	8	3	0	0	2	4.70	0
B07145	92 PKG MTRL HNDL	615	2	487	2	45	29	12	12	2	1	23	3.92	0
B07150	93-97 OTHER	11	0	0	0	10	1	0	0	0	0	0	4.05	0
	FEDERAL CONTRACTOR JOB LISTING OPENINGS RECEIVED													
B07160	TOTAL	727	0	176	30	322	54	47	12	13	4	69	4.70	0
B07165	0-1 PROF TECH MGR	56	0	0	0	1	5	5	3	6	1	35	8.78	0
B07170	20-24 CLERICAL	253	0	71	16	129	13	21	2	1	0	0	4.00	0
B07175	25-29 SALES	11	0	6	0	0	2	1	0	1	0	1	4.51	0
B07180	30 DOMESTIC	0	0	0	0	0	0	0	0	0	0	0	0.00	0

*1 OTHER INCLUDES WAGES NOT PAID ON A TIME BASIS.

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FOR PERIOD ENDING 03/31/82

Table 3

TABLE B07 03/31/82 MASSACHUSETTS SMSA 9240 TABLE B07

JOB OPENINGS RECEIVED AND FILLED BY OCCUPATIONAL CATEGORY AND HOURLY WAGE RATE

ITEM NO		ITEM	TOTAL NONAG AND AG	UNDER $3.35	$3.35- $3.84	$3.85- $3.99	$4.00- $4.49	$4.50- $4.99	$5.00- $5.49	$5.50- $5.99	$6.00- $6.49	$6.50- $6.99	$7.00 AND OVER	AVERAGE	OTHER*
A		B	C	D	E	F	G	H	I	J	K	L	M	N	O
B07185	31-39	OTHER SERVICES	245	0	62	1	166	6	5	0	0	0	5	4.18	0
B07190	4	FARM F & F	5	0	3	0	0	1	0	1	0	0	0	4.11	0
B07195	5	PROCESSING	28	0	3	12	11	1	0	1	0	0	0	4.02	0
B07200	6	MACHINE TRADES	32	0	4	1	5	9	3	3	0	1	6	5.29	0
B07205	7	BENCH WORK	23	0	15	0	3	2	2	0	0	1	0	3.99	0
B07210	8	STRUCTURAL	25	0	0	0	6	0	7	1	4	0	7	6.14	0
B07215	90-91	MOTOR FRGT, TRANSP	5	0	3	0	0	0	1	1	0	0	0	4.34	0
B07220	92	PKG MTRL HNDL	43	0	9	0	1	15	2	0	1	0	15	6.18	0
B07225	93-97	OTHER	1	0	0	0	0	0	0	0	0	1	0	6.51	0
FEDERAL CONTRACTOR JOB LISTING OPENINGS FILLED															
B07235	TOTAL		510	0	132	11	284	31	17	4	8	0	23	4.29	0
B07240	0-1	PROF TECH MGR	6	0	0	0	0	0	2	0	3	0	1	6.89	0
B07245	20-24	CLERICAL	168	0	56	3	98	6	5	0	0	0	0	3.86	0
B07250	25-29	SALES	5	0	3	0	0	1	0	0	1	0	0	4.18	0
B07255	30	DOMESTIC	0	0	0	0	0	0	0	0	0	0	0	0.00	0
B07260	31-39	OTHER SERVICES	209	0	37	1	161	3	2	0	0	0	5	4.22	0
B07265	4	FARM F & F	2	0	1	0	0	1	0	0	0	0	0	3.93	0
B07270	5	PROCESSING	26	0	6	5	12	1	0	2	0	0	0	4.07	0
B07275	6	MACHINE TRADES	18	0	4	2	4	4	1	1	0	0	2	4.51	0
B07280	7	BENCH WORK	21	0	15	0	3	1	2	0	0	0	0	3.84	0
B07285	8	STRUCTURAL	17	0	0	0	5	0	3	1	4	0	4	5.82	0
B07290	90-91	MOTOR FRGT, TRANSP	1	0	1	0	0	0	0	0	0	0	0	3.75	0
B07295	92	PKG MTRL HNDL	37	0	9	0	1	14	2	0	0	0	11	5.88	0
B07300	93-97	OTHER	0	0	0	0	0	0	0	0	0	0	0	0.00	0

*1 OTHER INCLUDES WAGES NOT PAID ON A TIME BASIS.

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Note: SMSA 9240 is the Worcester LMA

Table 4

TABLE 10 - ALL JOB OPENINGS 03/31/82 MASSACHUSETTS SMSA 9240 TABLE 10
OPENINGS RECEIVED AND FILLED BY INDUSTRIAL DIVISION AND OCCUPATIONAL CATEGORY

ITEM NO	OCCUPATIONAL CATEGORIES AND DIVISIONS		OPENINGS BY INDUSTRIAL DIVISION										
			TOTAL	AGR FOR & FISH	MINING	CONSTR	MFG	TRANSP & UTIL	WHS & RETAIL TRADE	FINANCE INS & REAL ESTATE	SER-VICES	PUBLIC ADMIN-ISTRA-TION	GOVT
A	B		C	D	E	F	G	H	I	J	K	L	M
	OPENINGS RECEIVED												
10010	TOTAL		3835	7	0	102	670	297	1389	98	1212	60	67
10015	0-1	PROF TECH MGR	157	0	0	4	28	4	16	7	83	15	26
10020	20-24	CLERICAL	1032	0	0	2	67	8	401	78	442	34	30
10025	25-29	SALES	372	0	0	0	7	3	323	4	35	0	0
10030	30	DOMESTIC	50	0	0	0	0	0	0	0	50	0	0
10035	31-39	OTHER SERVICES	916	0	0	2	30	1	359	4	516	4	7
10040	4	FARM F & F	16	7	0	0	0	0	1	0	6	2	0
10045	5	PROCESSING	74	0	0	0	71	0	1	0	2	0	0
10050	6	MACHINE TRADES	205	0	0	1	155	1	30	0	18	0	0
10055	7	BENCH WORK	127	0	0	1	113	1	6	0	6	0	0
10060	8	STRUCTURAL	128	0	0	66	28	1	9	3	17	4	0
10065	90-91	MOTOR FRGT, TRANSP	58	0	0	2	5	10	24	0	16	1	4
10070	92	PKG MTRL HNDL	685	0	0	13	164	268	219	2	19	0	0
10075	93-97	OTHER	15	0	0	11	2	0	0	0	2	0	0
	OPENINGS FILLED												
10085	TOTAL		2652	1	0	84	486	241	1020	50	745	25	25
10090	0-1	PROF TECH MGR	37	0	0	1	5	3	10	2	16	0	1
10095	20-24	CLERICAL	741	0	0	3	32	4	328	38	314	22	20
10100	25-29	SALES	233	0	0	0	2	0	211	3	17	0	0
10105	30	DOMESTIC	21	0	0	0	0	0	0	0	21	0	0
10110	31-39	OTHER SERVICES	572	0	0	2	27	0	216	3	322	2	4
10115	4	FARM F & F	9	1	0	0	0	0	1	0	7	0	0
10120	5	PROCESSING	54	0	0	0	51	0	1	0	2	0	0
10125	6	MACHINE TRADES	143	0	0	0	110	1	23	0	9	0	0
10130	7	BENCH WORK	93	0	0	1	90	1	1	0	0	0	0
10135	8	STRUCTURAL	93	0	0	54	23	0	4	2	9	1	0
10140	90-91	MOTOR FRGT, TRANSP	30	0	0	2	3	2	13	0	10	0	0
10145	92	PKG MTRL HNDL	615	0	0	13	141	230	212	2	17	0	0
10150	93-97	OTHER	11	0	0	8	2	0	0	0	1	0	0
	FILL RATE												
10160	TOTAL		69.2	14.3	0.0	82.4	72.5	81.1	73.4	51.0	61.5	41.7	37.3
10165	0-1	PROF TECH MGR	23.6	0.0	0.0	25.0	17.9	75.0	62.5	28.6	19.3	0.0	3.8
10170	20-24	CLERICAL	71.8	0.0	0.0	150.0	47 8	50.0	81.8	48.7	71.0	64.7	66.7
10175	25-29	SALES	62.6	0.0	0.0	0.0	28.6	0.0	65.3	75.0	48.6	0.0	0.0
10180	30	DOMESTIC	42.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.0	0.0	0.0
10185	31-39	OTHER SERVICES	62.4	0.0	0.0	100.0	90.0	0.0	60.2	75.0	62.4	50.0	57.1

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Table 4

TABLE 10 - ALL JOB OPENINGS 03/31/82 MASSACHUSETTS SMSA 9240

OPENINGS RECEIVED AND FILLED BY INDUSTRIAL DIVISION AND OCCUPATIONAL CATEGORY

ITEM NO		OCCUPATIONAL CATEGORIES AND DIVISIONS	OPENINGS BY INDUSTRIAL DIVISION										
			TOTAL	AGR FOR & FISH	MINING	CONSTR	MFG	TRANSP & UTIL	WHS & RETAIL TRADE	FINANCE INS & REAL ESTATE	SER-VICES	PUBLIC ADMIN-ISTRA-TION	GOVT
A		B	C	D	E	F	G	H	I	J	K	L	M
10190	4	FARM F & F	56.3	14.3	0.0	0.0	0.0	0.0	100.0	0.0	116.7	0.0	0.0
10195	5	PROCESSING	73.0	0.0	0.0	0.0	71.8	0.0	100.0	0.0	100.0	0.0	0.0
10200	6	MACHINE TRADES	69.8	0.0	0.0	0.0	71.0	100.0	76.7	0.0	50.0	0.0	0.0
10205	7	BENCH WORK	73.2	0.0	0.0	100.0	79.6	100.0	16.7	0.0	0.0	0.0	0.0
10210	8	STRUCTURAL	72.7	0.0	0.0	81.8	82.1	0.0	44.4	66.7	52.9	25.0	0.0
10215	90-91	MOTOR FRGT, TRANSP	51.7	0.0	0.0	100.0	60.0	20.0	54.2	0.0	62.5	0.0	0.0
10220	92	PKG MTRL HNDL	89.8	0.0	0.0	100.0	86.0	85.8	96.8	100.0	89.5	0.0	0.0
10225	93-97	OTHER	73.3	0.0	0.0	72.7	100.0	0.0	0.0	0.0	50.0	0.0	0.0

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Table 5

Average Pay by Selected Occupational Category
Massachusetts Job Banks
March 1982

Occupational Title	State	Boston	Fall River	Fitchburg Leominster	Lawrence Haverhill	Lowell	New Bedford	Pittsfield	Springfield * Chicopee Holyoke	Worcester	Balance of State
TOTAL ALL OCCUPATIONS	$10,220	$10,459	$ 9,479	$ 9,589	$11,232	$ 9,774	$ 8,957	$ 8,881	$10,519	$ 8,678	$ 9,852
Professional, Technical, Managerial	15,640	17,068	14,852	12,384	19,406	17,639	14,143	15,466	14,178	15,942	15,523
Architecht and Engineering	20,783	24,056	--	--	24,356	34,008	16,625	20,667	16,603	25,000	19,959
Math and Physical Science	19,398	21,209	14,547	--	--	22,000	--	--	15,508	23,000	18,762
Life and Social Sciences	13,761	17,550	--	--	--	--	10,192	10,000	11,667	11,000	10,425
Medicine and Health	15,176	12,918	--	--	17,680	--	--	12,168	11,869	14,560	14,928
Education	13,418	12,691	--	8,579	7,800	15,625	--	--	13,918	17,084	16,506
Museum Library	10,700	--	--	--	--	--	--	--	9,400	--	--
Law, Jurisprudence	8,684	--	--	--	--	--	--	--	9,261	--	--
Writing	13,773	20,000	--	--	--	--	--	--	11,700	--	9,620
Art	12,060	18,500	--	--	--	--	--	--	--	9,360	8,320
Entertainment	15,459	18,928	20,800	--	--	--	--	--	10,400	13,000	10,700
Administrative Specialists	14,535	14,566	12,031	--	16,000	--	13,467	25,000	17,458	--	13,484
Managers and Officials n.e.c.	13,536	16,156	--	15,333	17,553	--	--	10,656	14,045	13,280	12,188
Miscellaneous, Prof., Tech., Mgr.	11,684	13,214	--	14,950	--	13,788	--	--	10,218	11,400	12,267
Clerical and Sales	9,001	9,419	9,296	8,356	10,228	8,423	7,668	8,073	8,050	8,920	8,577
Stenography, Typing and Related	9,321	9,679	10,053	8,424	10,776	10,250	8,922	7,540	8,898	9,085	8,672
Computing and Acct. Recording	8,435	8,826	9,245	7,722	10,086	8,908	7,826	8,939	7,435	8,533	7,777
Production and Stock Clerk	9,209	10,383	--	--	8,705	7,962	7,107	10,400	7,036	--	8,866
Information Distr.	9,100	9,482	7,124	6,968	8,164	7,869	--	--	7,176	8,749	8,655
Miscellaneous Clerical	10,076	10,866	9,185	9,880	10,400	--	9,991	8,398	9,877	--	8,907
Salespersons Services	11,191	10,508	--	--	15,600	10,400	--	6,968	12,031	7,800	10,975
Salespersons, Commodities n.e.c.	9,139	8,361	18,000	9,100	6,968	--	6,968	--	11,800	12,950	10,325
Miscellaneous Sales	8,078	8,586	7,349	--	9,984	7,887	6,968	--	7,579	11,960	7,903
Service	$ 4.27/hr	$4.28/hr	$4.77/hr	$3.65/hr	$4.20/hr	$3.64/hr	$3.66/hr	$4.02/hr	$4.48/hr	$3.72/hr	$4.76/hr
Domestic Service	3.53	3.62	--	--	--	--	--	--	3.45	3.35	5.00
Food and Beverage Preparation	4.11	4.35	--	3.35	3.63	--	3.73	4.44	3.86	3.51	4.39
Lodging and Related Service	4.28	4.49	--	--	--	--	--	3.35	3.45	4.00	3.50
Miscellaneous Personal Service	4.56	4.05	3.61	4.00	--	--	3.35	3.50	3.35	3.94	5.33
Protective Services	4.24	4.23	9.13	--	3.60	--	3.56	4.00	5.54	3.50	4.34
Building and Related Service	4.33	4.36	--	--	4.42	--	--	4.51	4.00	4.14	4.08

Table 5

Average Pay by Selected Occupational Category
Massachusetts Job Banks
March 1982
(continued)

Occupational Title	State	Boston	Fall River	Fitchburg Leominster	Lawrence Haverhill	Lowell	New Bedford	Pittsfield	Springfield* Chicopee Holyoke	Worcester	Balance of State
Farming, Fishing, Forestry	$3.97/hr	$3.91/hr	$--	$--	$3.55/hr	$--	$3.44/hr	$3.58/hr	$4.20/hr	$4.05/hr	$4.40/hr
Plant Farming	3.90	3.96	--	--	3.55	--	3.44	3.70	4.80	4.16	4.04
Animal Farming	3.38	--	--	--	--	--	--	3.35	3.90	3.40	NA
Forestry	10.00	3.68	--	--	--	--	--	--	--	--	--
Processing	4.40	4.35	3.35	4.19	4.00	4.00	--	--	4.41	4.40	4.49
Metal	4.74	4.50	--	6.00	--	4.00	--	--	--	--	4.83
Food, Tobacco	4.03	4.06	--	--	--	--	--	--	3.35	3.65	--
Chemicals, Plastics, Synthetics	4.33	5.35	--	3.96	--	--	--	--	4.05	4.65	4.25
Stone, Clay, Glass	5.00	--	--	--	--	--	--	--	--	--	5.00
Leather and Textiles	4.91	--	3.35	--	4.00	--	--	--	--	--	--
Processing Occupations n.e.c.	5.70	5.70	--	--	--	--	--	--	--	--	--
Machine Trades	5.30	5.65	5.21	5.30	4.93	4.80	5.91	5.25	5.80	5.45	4.77
Metal Machining	6.17	5.52	6.00	6.17	6.71	5.50	7.70	--	7.56	6.57	5.99
Metal Working n.e.c.	3.95	3.89	3.35	--	3.98	4.00	--	--	--	--	4.25
Mechanics, & Machinery Repairers	6.10	6.38	4.63	6.17	6.25	7.50	4.24	4.50	5.40	5.58	5.61
Printing and Paperworking	5.28	5.54	--	--	--	--	--	6.00	5.95	4.00	5.06
Wood Machining	4.61	7.00	--	3.90	4.00	--	--	--	--	4.00	5.20
Textiles	4.44	--	--	--	4.35	4.59	5.59	--	3.75	4.17	4.47
Machine Trades n.e.c.	4.04	4.26	6.00	--	4.18	3.58	--	--	4.75	4.75	3.83
Benchwork	4.15	4.09	4.25	3.70	5.90	4.72	3.72	3.50	4.32	4.02	4.45
Metal Products	4.95	4.64	--	--	3.75	--	5.10	3.45	5.68	4.30	6.95
Scientific & Electrical Equip.	4.15	4.08	3.40	4.00	--	4.31	3.71	--	--	5.86	4.46
Plastics, Synthetics, Rubber	4.18	--	--	4.23	4.00	--	--	--	--	4.06	4.25
Stone and Wood Products	4.39	3.35	--	--	14.00	--	--	--	--	4.25	4.20
Textile, Leather	4.03	4.15	4.37	3.48	5.26	--	3.65	3.35	3.35	3.78	4.11
Benchwork Occupations, n.e.c.	3.84	--	3.35	--	--	--	--	3.95	--	--	--
Structural Work	5.95	6.74	5.00	5.54	5.47	4.41	6.23	4.67	6.44	5.31	5.08
Metal Fabrication	6.39	7.48	--	5.55	--	5.23	6.19	4.00	5.00	5.25	6.00
Welders	6.43	6.41	--	--	7.00	5.00	7.42	--	--	5.00	5.50
Electrical	6.05	6.97	--	8.65	6.05	3.70	--	--	6.18	4.42	4.82

Table 5

Average Pay by Selected Occupational Category
Massachusetts Job Banks
March 1982
(continued)

Occupational Title	State	Boston	Fall River	Fitchburg Leominster	Lawrence Haverhill	Lowell	New Bedford	Pittsfield	Springfield* Chicopee Holyoke	Worcester	Balance of State
Structural Work (continued)											
Painting	$6.79/hr	$6.97/hr	$--	$ --	$--	$ --	$ --	$--	$6.50/hr	$5.50/hr	$7.00/hr
Excavating, Grading etc.	7.83	--	--	--	8.00	--	--	--	--	7.50	--
Construction, Occupations n.e.c.	5.37	6.20	5.00	4.75	5.20	--	5.47	4.75	15.85	7.50	4.85
Structural Occupations n.e.c.	4.76	5.46	--	4.00	--	4.75	4.40	5.00	3.35	4.50	4.88
Miscellaneous	4.24	4.24	--	5.03	4.55	4.00	4.09	4.37	6.93	3.65	4.24
Motor Freight Occupations	4.72	4.39	--	--	4.33	--	4.71	--	4.74	4.85	5.02
Transportation Occupations n.e.c.	4.06	4.09	--	6.72	5.19	--	--	--	--	5.03	3.42
Packing, Material Handling	3.95	3.99	--	4.18	4.45	4.00	4.02	4.37	4.18	3.56	4.10
Production, Disbribution of Util.	8.42	6.47	--	8.00	--	--	--	--	11.04	--	7.38
Graphic Art Work	5.02	5.66	--	--	--	4.00	--	--	5.05	4.50	5.00

Source: Labor Market Information Analytical Table Series

* Springfield-Chicopee-Holyoke data for February 1982

Population and Housing Characteristics

Table 6.

Population and Household Characteristics

Universe: Persons	Number	Percent
Population by Race, including Hispanics	646,352	100.0
White	626,890	97.0
Black	8,724	1.3
Native American	897	0.1
American Indian	873	0.1
Eskimo	19	-
Aleut	5	-
Asian and Pacific Islander (4)	2,840	0.4
Japanese	237	-
Chinese	605	-
Filipino	182	-
Korean	460	-
Asian Indian	758	0.1
Vietnamese	495	-
Hawaiian	55	-
Guamanian	29	-
Samoan	19	-
Remaining Races (3)	7,001	1.1
Population by Race, excluding Hispanics	632,135	100.0
White, not Hispanic	618,636	97.9
Black, not Hispanic	8,419	1.3
Nat Amer and Asian/Pac Isl, not Hisp (4)	3,591	0.6
Remaining Races, not Hispanic (3)	1,489	0.2
Population by Origin, including all races	646,352	100.0
Hispanic	14,217	2.2
Mexican	802	0.1
Puerto Rican	10,035	1.6
Cuban	376	-
Other Hispanic	3,004	0.5
Hispanic by Race	14,217	100.0
White	8,254	58.1
Black	305	2.1
Native American and Asian/Pac Isl (4)	146	1.0
Remaining Races (3)	5,512	38.8

Universe: Persons 15 Years and Over	Number	Percent
Population by Marital Status	506,054	100.0
Married, including Separated	290,972	57.5
Never-Married	145,417	28.7
Divorced and Widowed	69,665	13.8

Universe: Persons	Male	Percent	Female	Percent
Population by Age/Sex	310,697	100.0	335,655	100.0
0-4 Years	21,153	6.8	20,484	6.1
5-13 Years	44,498	14.3	42,870	12.8
14-15 Years	11,802	3.8	11,451	3.4
16 Years and Over	233,244	75.1	260,850	77.7
16-17 Years	12,166	3.9	11,816	3.5
18-19 Years	13,123	4.2	13,081	3.9
20-21 Years	12,933	4.2	12,693	3.8
22-24 Years	17,049	5.5	17,032	5.1
25-34 Years	49,594	16.0	50,079	14.9
35-44 Years	34,162	11.0	35,086	10.5
45-54 Years	30,722	9.9	33,005	9.8
55-64 Years	31,497	10.1	36,845	11.0
65-74 Years	20,789	6.7	28,020	8.3
75 Years and Over	11,209	3.6	23,193	6.9
Median Age in Years	29.4		32.6	

Universe: Households	Number	Percent
Total Households (1)	225,323	100.0
1 Person Households	50,913	22.6
Male Householder	18,256	8.1
Female Householder	32,657	14.5
2 or More Person Households	174,410	77.4
Married Couple Family	137,055	60.8
Other Family	29,581	13.1
Male Householder, no Wife Present	5,592	2.5
Female Householder, no Husband Present	23,989	10.6
Nonfamily Households	7,774	3.5
Male Householder	4,684	2.1
Female Householder	3,090	1.4
Total Households w/ Persons Age 65+ (7)	57,966	100.0
1 Person Households	23,402	40.4
2 or More Person Households	34,564	59.6
Total Households w/ Persons Under Age 18	87,394	100.0
Married Couple Family	70,157	80.3
Other Family	16,702	19.1
Male Householder, no Wife Present	2,038	2.3
Female Householder, no Husband Present	14,664	16.8
Nonfamily Households	535	0.6

Housing Characteristics

Universe: Housing Units	Number	Percent
Total Housing Units (2)	239,835	
Total Year-Round Housing Units	235,861	100.0
Condominium Units	809	0.3
Lack Complete Plumbing for excl use (13)	5,369	2.3
Occupied Housing Units (1)	225,323	95.5
Median Persons per Unit (7)	2.4	
Homeowner Vacancy Rate	0.8	
Rental Vacancy Rate	4.0	

Universe: Occupied Housing Units	Number	Percent
Occupied Housing Units (1)	225,323	100.0
With 1.01 or more Persons per Room	5,442	2.4
Owner Occupied	134,842	59.8
Lack Complete Plumbing for excl use (13)	1,554	0.7
Median Value in Dollars (11)	41,700	
Renter Occupied	90,481	40.2
Lack Complete Plumbing for excl use (13)	2,862	1.3
Median Contract Rent in Dollars (12)	159	

Table 7
Job Bank Openings
By Selected Occupational Category
March 1982

Occupational Title	State	Boston	Fall River	Fitchburg Leominster	Lawrence Haverhill	Lowell	New Bedford	Pittsfield	Springfield* Chicopee Holyoke	Worcester	Balance of State
TOTAL ALL OCCUPATIONS	5099	1943	102	98	193	104	195	92	434	449	1161
Professional, Technical, Managerial	682	195	4	12	19	9	9	11	110	18	111
Architect & Engineering	45	13	--	1	2	1	4	4	12	1	10
Math. & Physical Science	20	7	1	--	--	1	--	--	5	3	2
Life & Social Sciences	20	9	--	--	--	--	2	1	3	1	6
Medicine & Health	225	10	--	--	8	--	--	1	7	4	12
Education	35	11	--	3	1	4	--	--	10	2	4
Museum Library	2	--	--	--	--	--	--	--	2	--	--
Law, Jurisprudence	2	--	--	--	--	--	--	--	5	--	--
Writing	3	1	--	--	--	--	--	--	1	--	1
Art	3	1	--	--	--	--	--	--	--	1	1
Entertainment	6	2	1	--	--	--	--	--	1	1	1
Administrative Specialists	81	46	2	4	1	--	3	1	12	1	9
Managers & Officials n.e.c.	102	39	--	3	3	--	--	4	23	3	25
Miscellaneous, Prof., Tech., Mgr.	38	7	--	1	4	2	--	--	17	1	6
Clerical and Sales	1163	490	22	11	47	28	16	9	191	96	302
Stenography, Typing & Related	339	174	3	2	16	2	2	2	36	23	74
Computing & Acct. Recording	279	90	9	4	8	7	4	2	73	63	58
Prod. & Stock Clerk	120	50	--	--	10	9	6	1	29	--	32
Information Distr.	75	50	2	1	2	3	--	--	1	3	11
Miscellaneous Clerical	23	10	3	2	2	--	1	1	1	--	3
Sales Persons Services	57	24	--	1	3	1	--	3	13	1	13
Sales Persons, Commodities n.e.c.	108	60	2	1	1	--	2	--	7	4	29
Miscellaneous Sales	149	25	3	--	5	6	1	--	30	2	80
Service	1109	512	9	11	22	8	28	14	31	161	150
Domestic Service	43	20	--	--	--	--	--	--	2	16	2
Food & Beverage Preparation	357	184	--	6	4	--	19	4	8	67	58
Lodging & Related Service	140	86	--	--	--	--	--	3	3	50	1

Table 7
Job Bank Openings
By Selected Occupational Category
March 1982
(continued)

Occupational Title	State	Boston	Fall River	Fitchburg Leominster	Lawrence Haverhill	Lowell	New Bedford	Pittsfield	Springfield * Chicopee Holyoke	Worcester	Balance of State
Service (continued)											
Miscellaneous Personal Service	303	47	3	5	7	--	2	2	3	12	60
Protective Services	134	96	1	--	2	--	7	2	13	6	14
Building & Related Service	106	65	--	--	8	--	--	3	2	8	14
Apparel/Furnishings Service	21	--	5	--	1	--	--	--	--	2	1
Farming, Fishing, Forestry	156	87	--	--	2	--	20	3	7	7	34
Plant Farming	134	73	--	--	2	--	40	2	1	6	31
Animal Farming	3	--	--	--	--	--	--	1	2	1	1
Forestry	16	14	--	--	--	--	--	--	4	--	--
Processing	116	44	2	9	4	2	--	--	10	4	37
Metal	16	3	--	1	--	2	--	--	--	--	10
Food, Tobacco	42	33	--	--	--	--	--	--	2	1	5
Chemicals, Plastics, Synthetics	39	5	--	8	--	--	--	--	6	3	18
Stone, Clay,Glass	4	--	--	--	--	--	--	--	--	--	4
Leather and Textiles	12	--	2	--	4	--	--	--	--	--	--
Processing Occupations n.e.c.	3	3	--	--	--	--	--	--	--	--	--
Machine Trades	429	144	11	13	35	21	13	4	22	27	126
Metal Machining	99	30	3	3	9	5	5	--	5	7	27
Metal Working n.e.c.	32	17	3	--	2	1	--	2	--	--	9
Mechanics & Machinery Repairers	134	70	3	5	2	3	7	--	9	12	15
Printing & Paperworking	28	9	--	--	--	--	--	2	6	1	8
Wood Machining	14	1	--	5	1	--	--	--	--	2	5
Textiles	31	--	--	--	1	3	1	--	1	3	21
Machine Trades n.e.c.	91	17	2	--	20	8	--	--	1	2	41
Benchwork	583	180	53	16	12	10	52	42	23	24	165
Metal Products	33	12	--	--	1	--	1	8	2	2	9
Scientific & Electrical Equipment	239	79	4	4	1	7	40	--	--	2	81
Plastics, Synthetic, Rubber	11	--	--	2	2	--	--	--	--	1	8
Stone and Wood Products	17	3	--	--	1	--	--	--	--	1	12
Textile, Leather	262	83	47	10	7	--	11	25	3	18	50
Benchwork Occupations n.e.c.	11	--	2	--	1	--	--	9	--	--	--

Table 7
Job Bank Openings
By Selected Occupational Category
March 1982
(continued)

Occupational Title	State	Boston	Fall River	Fitchburg Leominster	Lawrence Haverhill	Lowell	New Bedford	Pittsfield	Springfield* Chicopee Holyoke	Worcester	Balance of State
Structural Work	392	173	1	11	40	24	21	6	26	18	70
Metal Fabrication	56	24	--	3	4	6	2	1	2	6	8
Welders	62	45	--	--	1	2	8	--	--	1	4
Electrical	103	57	--	2	5	11	--	--	14	6	18
Painting	28	17	--	--	--	--	--	--	8	1	2
Excavating, Grading etc.	3	--	--	--	--	--	--	--	--	1	--
Construction Occupations n.e.c.	118	25	--	4	24	--	10	4	1	2	34
Structural Occupations n.e.c.	22	5	1	2	6	5	1	1	1	1	4
Miscellaneous	469	118	--	15	12	2	36	3	14	94	166
Motor Freight Occupations	58	23	--	--	3	--	4	--	5	5	15
Transportation Occupations	35	16	--	2	2	--	--	--	--	1	14
Packing, Material Handling	349	71	--	11	1	1	32	3	4	87	129
Production, Distribution of Util.	16	3	--	2	--	--	--	--	4	--	5
Graphic Art Work	10	4	--	--	--	1	--	--	1	1	3

Source: Labor Market Information Analytical Table Series

* Springfield-Chicopee-Holyoke data for February 1982

Table 8

Worcester LMA 1980 Census Figures

Area	White	Black	Other	Spanish Origin	Total	Percent of Total
Auburn	14,755	45	45	39	14,845	3.9
Berlin	2,178	7	30	14	2,215	0.6
Boylston	3,414	23	33	25	3,470	0.9
Brookfield	2,383	7	7	11	2,397	0.6
Charlton	6,690	10	19	29	6,719	1.8
Douglas	3,706	6	18	20	3,730	1.0
E.Brookfield	1,938	--	17	20	1,955	0.5
Grafton	11,104	45	89	43	11,238	2.9
Holden	13,223	11	102	62	13,336	3.5
Leicester	9,330	59	57	31	9,446	2.5
Millbury	11,760	15	33	19	11,808	3.1
Northboro	10,353	41	174	85	10,568	2.8
Northbridge	12,181	28	37	73	12,246	3.2
N. Brookfield	4,117	10	23	11	4,150	1.1
Oxford	11,585	49	46	58	11,680	3.1
Paxton	3,719	11	32	14	3,762	1.0
Rutland	4,274	26	34	12	4,334	1.1
Shrewsbury	22,189	174	311	155	22,674	6.0
Spencer	10,711	14	49	73	10,774	2.8
Sterling	5,401	14	25	30	5,440	1.4
Sutton	5,842	1	12	9	5,855	1.5
Upton	3,853	9	24	13	3,886	1.0
Uxbridge	8,335	4	35	28	8,374	2.2
Webster	14,281	28	171	147	14,480	3.8
Westboro	13,324	129	166	115	13,619	3.6
W. Boylston	6,115	18	71	56	6,204	1.6
Worcester	152,001	4,625	5,173	6,877	161,799	42.5
TOTAL	368,762	5,409	6,833	8,069	381,004	

Table 9

Worcester LMA
Hours & Earnings Of Production Workers

Industry	Average Weekly Hours			Average Weekly Earnings		
	Month			Month		
	3/82	2/82	3/81	3/82	2/82	3/81
Manufacturing	39.8	39.5	39.7	$307.65	$302.18	$281.87
Durable Goods	40.2	39.8	40.1	332.86	327.55	307.97
Primary Metals	47.8	47.9	45.4	383.36	386.55	351.85
Fabricated Metals	39.6	39.5	38.8	315.61	312.45	291.78
Machinery, Except Elec.	40.4	39.6	42.1	366.43	354.82	347.33
Nondurable Goods	38.8	38.9	39.0	254.53	245.46	234.78
Textiles	41.4	38.8	40.0	251.71	233.96	220.40
Leather	34.8	32.8	36.1	167.04	160.72	188.44

Source: Current Employment Statistics Program (BLS - 790)
Massachusetts Division of Employment Security

Table 10
Annual Average Labor Force Data For Municipalities in Worcester LMA
1981

Municipality	Labor Force	Employment	Unemployment	Unemployment Rate
Auburn	8,190	7,813	377	4.6
Berlin	1,139	1,074	65	5.7
Boylston	1,532	1,388	144	9.4
Brookfield	1,117	1,001	116	10.4
Charlton	2,241	2,134	107	4.8
Douglas	1,718	1,582	136	7.9
East Brookfield	1,077	1,033	44	4.1
Grafton	5,804	5,524	280	4.8
Holden	6,584	6,312	272	4.1
Leicester	4,666	4,461	205	4.4
Millbury	6,470	6,093	377	5.8
Northborough	4,579	4,374	205	4.5
Northbridge	6,155	5,669	486	7.9
North Brookfield	2,137	2,021	116	5.4
Oxford	5,290	4,994	296	5.6
Paxton	1,840	1,763	77	4.2
Rutland	1,648	1,565	83	5.0
Shrewsbury	10,093	9,617	476	4.7
Spencer	4,628	4,391	237	5.1
Sterling	2,305	2,210	95	4.1
Sutton	2,431	2,227	154	6.3
Upton	1,982	1,644	338	17.1
Uxbridge	4,597	4,261	336	7.3
Webster	8,626	8,050	576	6.7
Westborough	5,744	5,543	201	3.5
West Boylston	3,549	3,437	112	3.2
Worcester	94,270	88,304	5,966	6.3

Source: Massachusetts Division of Employment Security
Labor Area Unemployment Statistics Program

Table 11

Annual Average Labor Force Data
For Worcester Prime Sponsor
1981

Town Code	Municipality	Labor Force	Employment	Unemployment	Unemployment Rate
502	Auburn	8,190	7,813	377	4.6
503	Boylston	1,532	1,388	144	9.4
506	Grafton	5,804	5,524	280	4.8
507	Holden	6,584	6,312	272	4.1
508	Leicester	4,666	4,461	205	4.4
509	Millbury	6,470	6,093	377	5.8
269	Northborough	4,579	4,374	205	4.5
514	Paxton	1,840	1,763	77	4.2
515	Rutland	1,648	1,565	83	5.0
516	Shrewsbury	10,093	9,617	476	4.7
517	Spencer	4,628	4,391	237	5.1
518	Westborough	5,744	5,543	201	3.5
519	West Boylston	3,549	3,437	112	3.2
501	Worcester	94,270	88,304	5,966	6.3

Source: Massachusetts Division of Employment Security
Labor Area Unemployment Statistics Program

Table 12
1981 Annual Averages
Labor Force, Employment And Unemployment
Fitchburg Job Matching Center Area Of Service

	Annual Average Labor Force	Average Annual Employment	Average Annual Unemployment	Annual Average Unemployment Rate
Area of Service	59,352	55,347	4,005	6.7
Ashby	1,002	911	91	9.1
Ayer	3,028	2,768	260	8.6
Fitchburg	22,505	20,934	1,571	7.0
Groton	2,535	2,325	210	8.3
Harvard	1,926	1,740	186	9.7
Leominster	17,286	16,365	921	5.3
Lunenburg	3,910	3,631	279	7.1
Pepperell	2,686	2,500	186	6.9
Shirley	2,121	1,947	174	8.2
Townsend	2,353	2,226	127	5.4

Table 13

1981 Annual Averages
Labor Force, Employment & Unemployment
Montachusett Employment & Training Program

Area	Annual Average Labor Force	Annual Average Employment	Annual Average Unemployment	Annual Average Unemployment Rate
Total CETA Area	100,026	93,250	6,776	6.8
Ashburnham	1,734	1,612	122	7.0
Ashby	1,002	911	91	9.1
Ayer	3,028	2,768	260	8.6
Barre	1,714	1,605	109	6.4
Berlin	1,139	1,074	65	5.7
Bolton	1,584	1,523	61	3.9
Clinton	6,472	6,031	441	6.8
Fitchburg	22,505	20,934	1,571	7.0
Gardner	10,834	9,949	885	8.2
Groton	2,535	2,325	210	8.3
Hardwick	1,092	940	152	13.9
Harvard	1,926	1,740	186	9.7
Hubbardston	620	592	28	4.5
Lancaster	3,026	2,790	236	7.8
Leominster	17,286	16,365	921	5.3
Lunenburg	3,910	3,631	279	7.1
New Braintree	293	275	18	6.1
Oakham	301	283	18	6.0
Pepperell	2,686	2,500	186	6.9
Princeton	824	776	48	5.8
Shirley	2,121	1,947	174	8.2
Sterling	2,305	2,210	95	4.1
Templeton	2,986	2,841	145	4.9
Townsend	2,353	2,226	127	5.4
Westminster	2,268	2,155	113	5.0
Winchendon	3,482	3,247	235	6.7

Table 14
1980 And 1981 Annual Averages
Labor Force, Employed And Unemployed
Fitchburg-Leominster SMSA

	Annual Average Labor Force		Annual Average Employment		Annual Average Unemployment		Annual Average Unemployment Rate	
	1980	1981	1980	1981	1980	1981	1980	1981
Fitchburg	21,935	22,505	20,483	20,934	1,452	1,571	6.6	7.0
Leominster	16,864	17,286	16,013	16,365	851	921	5.0	5.3
Lunenburg	3,811	3,910	3,553	3,631	258	279	6.8	7.1
Shirley	2,065	2,121	1,905	1,947	160	174	7.7	8.2
Townsend	2,296	2,353	2,178	2,226	118	127	5.1	5.4
Westminster	2,213	2,268	2,109	2,155	104	113	4.7	5.0
Labor Market Area	49,184	50,443	46,241	47,258	2,943	3,185	6.0	6.3

Table 15

TABLE 7--TOTAL ES JOB BANK OPENINGS AND AVERAGE PAY

TOTAL MAR 1982 MASSACHUSETTS

PAGE 1

STATE JOB BANK	OPENINGS AVAILABLE		OPENINGS UNFILLED		OPENINGS UNFILLED 30 DAYS	
	TOTAL	AVERAGE PAY	TOTAL	AVERAGE PAY	TOTAL	AVERAGE PAY
MASSACHUSETTS	5,099	$ 10,220	3,947	$ 10,633	1,928	$ 11,104
BOSTON	1,943	10,459	1,629	10,791	829	10,697
FALL RIVER	102	9,479	64	10,059	22	10,755
FITCHB/LEOMIN	98	9,589	79	9,661	39	9,923
LAWREN/HAVRHL	193	11,232	128	11,804	59	12,913
LOWELL	104	9,774	83	10,152	34	9,622
NEW BEDFORD	195	8,957	103	8,650	35	8,470
PITTSFIELD	92	8,881	70	9,310	36	9,940
SPNG/CHC/HOLY	762	11,560	661	12,014	467	12,187
WORCESTER	449	8,678	274	9,004	118	9,815
BALANCE-STATE	1,161	9,852	856	10,134	289	11,463

Table 16

TABLE 1--ES JOB BANK OPENINGS IN REPORTING DISTRICTS
BY OCCUPATIONAL CATEGORY
WORCESTER MASSACHUSETTS
MAR 1982

OCCUPATIONAL CATEGORY	OPENINGS AVAILABLE				OPENINGS UNFILLED AT MONTH END			
	NUMBER		AVERAGE PAY		TOTAL		UNFILLED 30 DAYS OR MORE	
	CURRENT	LAST MONTH	CURRENT	LAST MONTH	CURRENT	LAST MONTH	CURRENT	LAST MONTH
TOTAL, ALL OCCUPATIONS	449	580	$ 8,678/YR	$ 8,679/YR	274	236	118	142
PROFESSIONAL, TECHNICAL, AND MANAGERIAL	18	27	15,942/YR	13,790/YR	18	26	11	15
CLERICAL AND SALES	96	168	8,920/YR	8,706/YR	56	70	36	37
SERVICE	161	228	3.72/HR	3.95/HR	99	64	29	43
FARMING, FISHERY, FORESTRY, AND RELATED	7	4	4.05/HR	4.00/HR	7	1	INA	INA
PROCESSING	4	3	4.40/HR	4.60/HR	2	3	1	2
MACHINE TRADES	27	24	5.45/HR	4.86/HR	20	20	10	16
BENCH WORK	24	43	4.02/HR	3.72/HR	22	25	17	13
STRUCTURAL WORK	18	11	5.31/HR	5.93/HR	17	11	8	3
MISCELLANEOUS	94	72	3.65/HR	3.70/HR	33	16	6	13

Table 17

MARCH, 1982
TABLE 1 PAGE 1
MA,WORCESTER

WORCESTER,MA
JOB BANK FREQUENTLY LISTED OCCUPATIONS AND INDUSTRIES

NO. OF 9-DIGIT OCC. GROUPS 13
NO. OF 4-DIGIT INDUSTRIES 11

DOT OCCUPATIONAL CODE AND EMPLOYER TITLE		SIC INDUSTRIAL CODE AND TITLE	
CLERICAL & SALES OCCUPATIONS			
211462010	CASH CLERK	5311-DEPARTMENT STORES	7011-HOTELS, MOTELS, AND TOURIST COURTS
222387050	SHIP.& RECEIV. CLERK	5211-LUMBER AND OTHER BUILDING MATERIALS	5311-DEPARTMENT STORES
279357050	SALESPN,GEN HARDWARE	5211-LUMBER AND OTHER BUILDING MATERIALS	
290477014	SALES CLERK	5311-DEPARTMENT STORES	
299137010	DEPARTMENT SUPERVISOR	5311-DEPARTMENT STORES	
SERVICE OCCUPATIONS			
311477014	COUNTER ATTD,LUNCHROOM	5812-EATING PLACES	
321137010	HOUSEKEEPER	7011-HOTELS, MOTELS, AND TOURIST COURTS	
372667034	GUARD, SECURITY	7393-DETECTIVE AND PROTECTIVE SERVICES	
381687014	CLEANER,COMMERCIAL	7011-HOTELS, MOTELS, AND TOURIST COURTS	
FARMING, FISHERY, FORESTRY & RELATED OCC.			
405687014	HORTICULTURAL WORKER 2	0181-ORNAMENTAL NURSERY PRODUCTS	
MISCELLANEOUS OCCUPATIONS			
920587018	PACKAGER, HAND	2842-POLISHES AND SANITATION GOODS	3079-MISCELLANEOUS PLASTICS PRODUCTS
922687058	LABORER, STORES	4225-GENERAL WAREHOUSING AND STORAGE	
929687030	MATERIAL HANDLER	2295-COATED FABRICS, NOT RUBBERIZED	3317-STEEL PIPE AND TUBES

LAST PAGE

Table 18

MARCH, 1982
TABLE 2 PAGE 1
MA,WORCESTER

WORCESTER,MA
OPENINGS AND WAGE INFORMATION
ON FREQUENTLY LISTED OCCUPATIONS

TOTAL NO. OF OPENINGS 1,351
OPENINGS IN FREQ. LIST. OCC. 543

SELECTED DOT CODES AND EMPLOYER JOB TITLES	OPENINGS AVAILABLE DURING THE MONTH NUMBER	PAY SCALE MIN	PAY SCALE AVG	PAY SCALE MAX	OPENINGS UNFILLED AT MONTH END TOTAL	30 DAYS OR MORE
**** TOTAL	543				375	105
CLERICAL & SALES OCCUPATIONS						
211462010 CASH CLERK	88	6,968	7,736	8,320	53	15
222387050 SHIP.& RECEIV. CLERK	30	6,968	8,111	12,480	29	0
279357050 SALESPN,GEN HARDWARE	25	8,611	8,611	8,611	25	0
290477014 SALES CLERK	55	6,968	7,051	9,360	55	2
299137010 DEPARTMENT SUPERVISOR	21	7,280	10,251	10,400	21	1
SERVICE OCCUPATIONS						
311477014 COUNTER ATTD,LUNCHROOM	50	3.35	3.35	3.35	50	0
321137010 HOUSEKEEPER	55	3.50	3.95	4.00	6	6
372667034 GUARD, SECURITY	26	3.50	3.90	4.90	23	10
381687014 CLEANER,COMMERCIAL	23	3.35	3.68	6.23	22	18
FARMING, FISHERY, FORESTRY & RELATED OCC.						
405687014 HORTICULTURAL WORKER 2	40	3.50	3.50	3.50	40	30
MISCELLANEOUS OCCUPATIONS						
920587018 PACKAGER, HAND	52	3.35	3.48	4.50	22	5
922687058 LABORER, STORES	40	3.35	3.81	4.25	5	5
929687030 MATERIAL HANDLER	38	3.35	3.79	4.43	24	13

LAST PAGE

Table 19

MARCH, 1982
TABLE 3 PAGE 1
MA,WORCESTER

WORCESTER,MA
EMPLOYER REQUIREMENTS
FOR FREQUENTLY LISTED OCCUPATIONS

OPENINGS IN FREQ. LIST. OCC. 543

DOT CODE AND EMPLOYER JOB TITLE	OPENINGS AVAILABLE	YEARS EDUCATION REQUIRED					MONTHS EXPERIENCE REQUIRED				
		0-11	12	13-15	16	17+	0	1-6	7-12	13-24	25+
**** TOTAL	543										
CLERICAL & SALES OCCUPATIONS											
211462010 CASH CLERK	88	38	50	0	0	0	0	88	0	0	0
222387050 SHIP.& RECEIV. CLERK	30	14	16	0	0	0	14	2	12	1	1
279357050 SALESPN,GEN HARDWARE	25	0	25	0	0	0	0	0	25	0	0
290477014 SALES CLERK	55	50	5	0	0	0	2	52	1	0	0
299137010 DEPARTMENT SUPERVISOR	21	20	1	0	0	0	0	21	0	0	0
SERVICE OCCUPATIONS											
311477014 COUNTER ATTD,LUNCHROOM	50	0	50	0	0	0	50	0	0	0	0
321137010 HOUSEKEEPER	55	55	0	0	0	0	55	0	0	0	0
372667034 GUARD, SECURITY	26	22	4	0	0	0	8	18	0	0	0
381687014 CLEANER,COMMERCIAL	23	19	4	0	0	0	17	3	2	0	1
FARMING, FISHERY, FORESTRY & RELATED OCC.											
405687014 HORTICULTURAL WORKER 2	40	40	0	0	0	0	0	40	0	0	0
MISCELLANEOUS OCCUPATIONS											
920587018 PACKAGER, HAND	52	49	3	0	0	0	50	2	0	0	0
922687058 LABORER, STORES	40	38	2	0	0	0	37	3	0	0	0
929687030 MATERIAL HANDLER	38	24	14	0	0	0	28	10	0	0	0

LAST PAGE

Table 20

TABLE 1--ES JOB BANK OPENINGS IN REPORTING DISTRICTS
BY OCCUPATIONAL CATEGORY
FITCHB/LEOMIN MASSACHUSETTS
MAR 1982

OCCUPATIONAL CATEGORY	OPENINGS AVAILABLE				OPENINGS UNFILLED AT MONTH END			
	NUMBER		AVERAGE PAY		TOTAL		UNFILLED 30 DAYS OR MORE	
	CURRENT	LAST MONTH	CURRENT	LAST MONTH	CURRENT	LAST MONTH	CURRENT	LAST MONTH
TOTAL, ALL OCCUPATIONS	98	94	$ 9,589/YR	$ 9,512/YR	79	45	39	34
PROFESSIONAL, TECHNICAL, AND MANAGERIAL	12	9	12,384/YR	13,088/YR	10	7	3	6
CLERICAL AND SALES	11	13	8,356/YR	9,872/YR	10	8	4	3
SERVICE	11	7	3.65/HR	3.86/HR	11	5	5	5
PROCESSING	9	16	4.19/HR	3.98/HR	4	1	1	1
MACHINE TRADES	13	8	5.30/HR	5.33/HR	11	6	6	6
BENCH WORK	16	20	3.70/HR	3.82/HR	15	7	8	6
STRUCTURAL WORK	11	7	5.54/HR	6.23/HR	11	7	7	6
MISCELLANEOUS	15	14	5.03/HR	4.17/HR	7	4	5	1

Form 1740-A

ALPHABETICAL LIST OF CITIES and TOWNS IN MASSACHUSETTS WITH 3-DIGIT AREA CODES

Table 21

A	
Abington	112
Acton	472
Acushnet	302
Adams	332
Agawam	432
Alford	372
Amesbury	322
Amherst	342
Andover	232
Arlington	062
Ashburnham	162
Ashby	163
Ashfield	182
Ashland	262
Athol	001
Attleboro	021
Auburn	502
Avon	113
Ayer	164
B	
Barnstable	031
Barre	002
Becket	373
Bedford	473
Belchertown	343
Bellingham	282
Belmont	063
Berkley	462
Berlin	263
Bernardston	183
Beverly	412
Billerica	242
Blackstone	283
Blandford	433
Bolton	264
Boston	051
Bourne	032
Boxborough	165
Boxford	212
Boylston	503
Braintree	402
Brewster	033
Bridgewater	114
Brimfield	434
Brockton	111
Brookfield	504
Brookline	052
Buckland	184
Burlington	492
C	
Cambridge	061
Canton	362
Carlisle	474
Carver	115
Charlemont	185
Charlton	482
Chatham	034
Chelmsford	243
Chelsea	141
Cheshire	374
Chester	344
Chesterfield	345
Chicopee	435
Chilmark	303
Clarksburg	333
Clinton	166
Cohasset	403
Colrain	186
Concord	475
Conway	187
Cummington	346
D	
Dalton	375
Danvers	413
Dartmouth	304
Dedham	363
Deerfield	188
Dennis	035
Dighton	463
Douglas	483
Dover	364
Dracut	244
Dudley	484
Dunstable	245
Duxbury	116
E	
East Bridgewater	117
East Brookfield	505
East Longmeadow	436
Eastham	036
Easthampton	347
Easton	118
Edgartown	305
Egremont	376
Erving	189
Essex	414
Everett	072
F	
Fairhaven	306
Fall River	151
Falmouth	037
Fitchburg	161
Florida	334
Foxborough	022
Framingham	265
Franklin	284
Freetown	152
G	
Gardner	167
Gay Head	307
Georgetown	213
Gill	190
Gloucester	415
Goshen	348
Gosnold	308
Grafton	506
Granby	349
Granville	437
Great Barrington	377
Greenfield	181
Groton	168
Groveland	214
H	
Hadley	350
Halifax	119
Hamilton	416
Hampden	438
Hancock	378
Hanover	120
Hanson	122
Hardwick	003
Harvard	169
Harwich	038
Hatfield	352
Haverhill	211
Hawley	192
Heath	193
Hingham	404
Hinsdale	379
Holbrook	123
Holden	507
Holland	439
Holliston	285
Holyoke	221
Hopedale	286
Hopkinton	287
Hubbardston	004
Hudson	266
Hull	405
Huntington	353
I	
Ipswich	323
K	
Kingston	124
L	
Lakeville	309
Lancaster	170
Lanesborough	380
Lawrence	231
Lee	382
Leicester	508
Lenox	383
Leominster	172
Leverett	194
Lexington	476
Leyden	195
Lincoln	477
Littleton	246
Longmeadow	440
Lowell	241
Ludlow	442
Lunenburg	173
Lynn	251
Lynnfield	252
M	
Malden	071
Manchester	417
Mansfield	023
Marblehead	418
Marion	310
Marlborough	261
Marshfield	125
Mashpee	039
Mattapoisett	312
Maynard	267
Medfield	365
Medford	081
Medway	288
Melrose	073
Mendon	289
Merrimac	215
Methuen	233
Middleborough	126
Middlefield	354
Middleton	419
Milford	281
Millbury	509
Millis	366
Millville	290
Milton	406
Monroe	335
Monson	443
Montague	196
Monterey	384
Montgomery	444
Mount Washington	385
N	
Nahant	253
Nantucket	313
Natick	268
Needham	092
New Ashford	336
New Bedford	301
New Braintree	510
New Marlborough	386
New Salem	005
Newbury	324
Newburyport	321
Newton	091
Norfolk	367
North Adams	331
North Andover	234
North Attleborough	024
North Brookfield	512
North Reading	493
Northampton	341
Northborough	269
Northbridge	292
Northfield	197
Norton	025
Norwell	407
Norwood	361
O	
Oak Bluffs	314
Oakham	513
Orange	006
Orleans	040
Otis	387
Oxford	485
P	
Palmer	445
Paxton	514
Peabody	420
Pelham	355
Pembroke	127
Pepperell	174
Peru	388
Petersham	007
Phillipston	008
Pittsfield	371
Plainfield	356
Plainville	026
Plymouth	128
Plympton	129
Princeton	175
Provincetown	042
Q	
Quincy	401
R	
Randolph	130
Raynham	464
Reading	494
Rehoboth	465
Revere	142
Richmond	389
Rochester	315
Rockland	132
Rockport	422
Rowe	198
Rowley	325
Royalston	009
Russell	446
Rutland	515
S	
Salem	411
Salisbury	326
Sandisfield	390
Sandwich	043
Saugus	254
Savoy	337
Scituate	408
Seekonk	466
Sharon	368
Sheffield	392
Shelburne	199
Sherborn	270
Shirley	176
Shrewsbury	516
Shutesbury	200
Somerset	153
Somerville	101
South Hadley	223
Southampton	357
Southborough	272
Southbridge	486
Southwick	447
Spencer	517
Springfield	431
Sterling	177
Stockbridge	393
Stoneham	495
Stoughton	133
Stow	273
Sturbridge	487
Sudbury	274
Sunderland	202
Sutton	488
Swampscott	255
Swansea	154
T	
Taunton	461
Templeton	010
Tewksbury	247
Tisbury	316
Tolland	448
Topsfield	423
Townsend	178
Truro	044
Tyngsborough	248
Tyringham	394
U	
Upton	293
Uxbridge	294
W	
Wakefield	074
Wales	449
Walpole	369
Waltham	471
Ware	450
Wareham	317
Warren	452
Warwick	012
Washington	395
Watertown	093
Wayland	478
Webster	481
Wellesley	094
Wellfleet	045
Wendell	205
Wenham	424
W. Boylston	519
W. Bridgewater	134
W. Brookfield	520
W. Newbury	327
W. Springfield	454
W. Stockbridge	396
West Tisbury	318
Westborough	518
Westfield	453
Westford	249
Westhampton	358
Westminster	179
Weston	479
Westport	155
Westwood	370
Weymouth	409
Whately	204
Whitman	135
Wilbraham	455
Williamsburg	359
Williamstown	338
Wilmington	496
Winchendon	180
Winchester	497
Windsor	397
Winthrop	143
Woburn	491
Worcester	501
Worthington	360
Wrentham	027
Y	
Yarmouth	046
Out of State	600
Split Area	700

Table 22

CITIES AND TOWNS AND LABOR AREA LOCATION

CITY/TOWN	CORRESPONDING LABOR AREA
Abington	Boston
Acton	Boston
Acushnet	New Bedford
Adams	Pittsfield
Agawam	S-C-H
Alford	Gt. Barrington
Amesbury	L-H
Amherst	S-C-H
Andover	L-H
Arlington	Boston
Ashburnham	Gardner
Ashby	Gardner
Ashfield	Greenfield
Ashland	Boston
Athol	Athol
Attleboro	P-PR.I., Mass.
Auburn	Worcester
Avon	Brockton
Ayer	*
Barnstable	Barnstable
Barre	Athol
Becket	Pittsfield
Bedford	Boston
Belchertown	S-C-H
Bellingham	Boston
Belmont	Boston
Berkley	Taunton
Berlin	Worcester
Bernardston	Greenfield
Beverly	Boston
Billerica	Lowell
Blackstone	P-PR.I., Mass.
Blandford	*
Bolton	Marlborough
Boston	Boston
Bourne	Barnstable
Boxborough	Boston
Boxford	Boston
Boylston	Worcester
Braintree	Boston
Brewster	Barnstable
Bridgewater	Brockton
Brimfield	S-C-H
Brockton	Brockton
Brookfield	Worcester
Brookline	Boston
Buckland	Greenfield
Burlington	Boston
Cambridge	Boston
Canton	Boston
Carlisle	Boston
Carver	Plymouth
Charlemont	Greenfield
Charlton	Worcester
Chatham	Barnstable
Chelmsford	Lowell
Chelsea	Boston
Cheshire	Pittsfield
Chester	*
Chesterfield	S-C-H
Chicopee	S-C-H

CITY/TOWN	CORRESPONDING LABOR AREA
Chilmark	Dukes County
Clarksburg	Pittsfield
Clinton	Clinton
Cohasset	Boston
Colrain	Greenfield
Concord	Boston
Conway	Greenfield
Cummington	*
Dalton	Pittsfield
Danvers	Boston
Dartmouth	New Bedford
Dedham	Boston
Deerfield	Greenfield
Dennis	Barnstable
Dighton	Fall River
Douglas	Worcester
Dover	Boston
Dracut	Lowell
Dudley	Southbridge
Dunstable	Lowell
Duxbury	Boston
E. Bridgewater	Brockton
E. Brookfield	Worcester
E. Longmeadow	S-C-H
Eastham	Barnstable
Easthampton	S-C-H
Easton	Brockton
Edgartown	Dukes County
Egremont	Gt. Barrington
Erving	Athol
Essex	Gloucester
Everett	Boston
Fairhaven	New Bedford
Fall River	Fall River
Falmouth	Barnstable
Fitchburg	Fitch-Leom
Florida	Pittsfield
Foxborough	Boston
Framingham	Boston
Franklin	Boston
Freetown	New Bedford
Gardner	Gardner
Gay Head	Dukes County
Georgetown	L-H
Gill	Greenfield
Gloucester	Gloucester
Goshen	*
Gosnold	Dukes County
Grafton	Worcester
Granby	S-C-H
Granville	S-C-H
Gt. Barrington	Gt. Barrington
Greenfield	Greenfield
Groton	*
Groveland	L-H
Hadley	S-C-H
Halifax	Brockton
Hamilton	Boston
Hampden	S-C-H

CITY/TOWN	CORRESPONDING LABOR AREA
Hancock	Pittsfield
Hanover	Boston
Hanson	Boston
Hardwick	Ware
Harvard	*
Harwich	Barnstable
Hatfield	S-C-H
Haverhill	L-H
Hawley	Greenfield
Heath	Greenfield
Hingham	Boston
Hinsdale	Pittsfield
Holbrook	Boston
Holden	Worcester
Holland	Southbridge
Holliston	Boston
Holyoke	S-C-H
Hopedale	Milford
Hopkinton	Milford
Hubbardston	Gardner
Hudson	Marlborough
Hull	Boston
Huntington	*
Ipswich	Newburyport
Kingston	Boston
Lakeville	New Bedford
Lancaster	Clinton
Lanesborough	Pittsfield
Lawrence	L-H
Lee	Pittsfield
Leicester	Worcester
Lenox	Pittsfield
Leominster	Fitch-Leom
Leverett	Greenfield
Lexington	Boston
Leyden	Greenfield
Lincoln	Boston
Littleton	*
Longmeadow	S-C-H
Lowell	Lowell
Ludlow	S-C-H
Lunenburg	Fitch-Leom
Lynn	Boston
Lynnfield	Boston
Malden	Boston
Manchester	Boston
Mansfield	*
Marblehead	Boston
Marion	New Bedford
Marlborough	Marlborough
Marshfield	Boston
Mashpee	Barnstable
Mattapoisett	New Bedford
Maynard	Marlborough
Medfield	Boston
Medford	Boston
Medway	Boston
Melrose	Boston
Mendon	Milford

Abbreviation: B of S — Balance of State; Fitch-Leom — Fitchburg-Leominster; L-H — Lawrence-Haverhill, Mass., N.H.; P-PR.I., Mass. — Providence-Pawtucket, R.I., Mass.; S-C-H — Springfield-Chicopee-Holyoke;.

* No Labor Area - Balance of State

MASSACHUSETTS

CITIES AND TOWNS AND LABOR AREA LOCATION

CITY/TOWN	CORRESPONDING LABOR AREA
Merrimac	L-H
Methuen	L-H
Middleboro	Plymouth
Middlefield	*
Middleton	Boston
Milford	Milford
Millbury	Worcester
Millis	Boston
Millville	P-PR.I., Mass.
Milton	Boston
Monroe	Greenfield
Monson	S-C-H
Montague	Greenfield
Monterey	Gt. Barrington
Montgomery	S-C-H
Mt. Washington	Gt. Barringon
Nahant	Boston
Nantucket	Nantucket
Natick	Boston
Needham	Boston
New Ashford	Pittsfield
New Bedford	New Bedford
New Braintree	Ware
New Marlboro	Gt. Barrington
New Salem	Athol
Newbury	Newburyport
Newburyport	Newburyport
Newton	Boston
Norfolk	Boston
North Adams	Pittsfield
No. Andover	L-H
No. Attleboro	P-PR.I., Mass.
No. Brookfield	Worcester
No. Reading	Boston
Northampton	S-C-H
Northborough	Worcester
Northbridge	Worcester
Northfield	Greenfield
Norton	P-PR.I., Mass.
Norwell	Boston
Norwood	Boston
Oak Bluffs	Dukes County
Oakham	Ware
Orange	Athol
Orleans	Barnstable
Otis	Pittsfield
Oxford	Worcester
Palmer	S-C-H
Paxton	Worcester
Peabody	Boston
Pelham	S-C-H
Pembroke	Boston
Pepperell	*
Peru	Pittsfield
Petersham	Athol
Phillipston	Athol
Pittsfield	Pittsfield
Plainfield	*
Plainville	P-PR.I., Mass.
Plymouth	Plymouth
Plympton	Plymouth
Princeton	Gardner
Provincetown	Barnstable

CITY/TOWN	CORRESPONDING LABOR AREA
Quincy	Boston
Randolph	Boston
Raynham	Taunton
Reading	Boston
Rehoboth	P-PR.I., Mass.
Revere	Boston
Richmond	Pittsfield
Rochester	New Bedford
Rockland	Boston
Rockport	Gloucester
Rowe	Greenfield
Rowley	Newburyport
Royalston	Athol
Russell	S-C-H
Rutland	Worcester
Salem	Boston
Salisbury	L-H
Sandisfield	Gt. Barrington
Sandwich	Barnstable
Saugus	Boston
Savoy	Pittsfield
Scituate	Boston
Seekonk	P-PR.I., Mass.
Sharon	Boston
Sheffield	Gt. Barrington
Shelburne	Greenfield
Sherborn	Boston
Shirley	Fitch-Leom
Shrewsbury	Worcester
Shutesbury	Greenfield
Somerset	Fall River
Somerville	Boston
South Hadley	S-C-H
Southampton	S-C-H
Southborough	Marlborough
Southbridge	Southbridge
Southwick	S-C-H
Spencer	Worcester
Springfield	S-C-H
Sterling	Worcester
Stockbridge	Pittsfield
Stoneham	Boston
Stoughton	Boston
Stow	Marlborough
Sturbridge	Southbridge
Sudbury	Boston
Sunderland	Greenfield
Sutton	Worcester
Swampscott	Boston
Swansea	Fall River
Taunton	Taunton
Templeton	Gardner
Tewksbury	Lowell
Tisbury	Dukes County
Tolland	*
Topsfield	Boston
Townsend	Fitch-Leom
Truro	Barnstable
Tyngsborough	Lowell
Tyringham	Pittsfield
Upton	Worcester
Uxbridge	Worcester

CITY/TOWN	CORRESPONDING LABOR AREA
Wakefield	Boston
Wales	S-C-H
Walpole	Boston
Waltham	Boston
Ware	Ware
Wareham	Plymouth
Warren	S-C-H
Warwick	Athol
Washington	Pittsfield
Watertown	Boston
Wayland	Boston
Webster	Worcester
Wellesley	Boston
Wellfleet	Barnstable
Wendell	Athol
Wenham	Boston
W. Boylston	Worcester
W. Bridgewater	Brockton
W. Brookfield	Ware
W. Newbury	L-H
W. Springfield	S-C-H
W. Stockbridge	Pittsfield
West Tisbury	Dukes County
Westborough	Worcester
Westfield	S-C-H
Westford	Lowell
Westhampton	S-C-H
Westminster	Fitch-Leom
Weston	Boston
Westport	Boston
Westwood	Boston
Weymouth	Boston
Whately	Greenfield
Whitman	Brockton
Wilbraham	S-C-H
Williamsburg	S-C-H
Williamstown	Pittsfield
Wilmington	Boston
Winchendon	Gardner
Winchester	Boston
Windsor	Pittsfield
Winthrop	Boston
Woburn	Boston
Worcester	Worcester
Worthington	*
Wrentham	Boston
Yarmouth	Barnstable
Little Compton, R.I.	Fall River
Tiverton, R.I.	Fall River
Atkinson, N.H.	L-H
Hampstead, N.H.	L-H
Kingston, N.H.	L-H
Newton, N.H.	L-H
Plaistow, N.H.	L-H
Windham, N.H.	L-H

Abbreviation: B of S — Balance of State; Fitch-Leom — Fitchburg-Leominster; L-H — Lawrence-Haverhill, Mass., N.H.; P-PR.I., Mass. — Providence-Pawtucket, R.I., Mass.; S-C-H — Springfield-Chicopee-Holyoke;.

* No Labor Area - Balance of State

Table 23

DEFINITIONS OF MASSACHUSETTS LABOR AREAS WITH CITY CODES AND COUNT OF CITIES AND TOWNS IN AREAS

ATHOL:
Athol(001), Barre(002), Erving(189), New Salem(005), Orange (006), Petersham(007), Phillipston(008), Royalston(009), Warwick(012), Wendell(203). Total - 10.

BARNSTABLE COUNTY:
Barnstable(031), Bourne(032), Brewster(033), Chatham(034), Dennis(035), Eastham(036), Falmouth(037), Harwich(038), Mashpee(039), Orleans(040) Provincetown(042), Sandwich(043), Truro(044), Wellfleet(045), Yarmouth(046). Total - 15.

BOSTON:
Abington(112), Acton(472), Arlington(062), Ashland(262), Bedford(473), Bellingham(282), Belmont(063), Beverly(412), Boston(051), Boxborough(165), Boxford(212), Braintree(402), Brookline(052), Burlington(492), Cambridge(061), Canton(362), Carlisle(474), Chelsea(141), Cohasset(403), Concord(475), Danvers(413), Dedham(363), Dover(364), Duxbury(116), Everett (072), Foxborough(022), Framingham(255), Franklin(284), Hamilton(416), Hanover(120), Hanson(122), Hingham(404), Holbrook(123), Holliston(285), Hull(405), Kingston(124), Lexington(476), Lincoln(477), Lynn(251), Lynnfield(252), Malden(071), Manchester(417), Marblehead(418), Marshfield (125), Medfield(365), Medford(081), Medway(288), Melrose(073), Middleton(419), Millis(366), Milton(406), Nahant(253), Natick (268), Needham(092), Newton(091), Norfolk(367), North Reading(493), Norwell(407), Norwood(361), Peabody(420), Pembroke(127), Quincy(401), Randolph(130), Reading(494), Revere (142), Rockland(132), Salem(411), Saugus(254), Scituate(408), Sharon(368), Sherborn(270), Somerville(101), Stoneham(495), Stoughton(133), Sudbury(274), Swampscott(255), Topsfield(423), Wakefield(074), Walpole(369), Waltham(471), Watertown(093), Wayland(478), Wellesley(094), Wenham(424), Weston(479), Westwood(370), Weymouth(409), Wilmington(496), Winchester (497), Winthrop(143), Woburn(491), Wrentham(027).
Total - 92.

BROCKTON:
Avon(113), Bridgewater(114), Brockton(111), East Bridgewater (117), Easton(118), Halifax(119), West Bridgewater(134), Whitman(135). Total - 8.

CLINTON:
Clinton(166), Lancaster(170). Total - 2.

DUKES COUNTY:
Chilmark(303), Edgartown(305), Gay Head(307), Gosnold(308), Oak Bluffs(314), Tisbury(318), West Tisbury(318). Total - 7.

FALL RIVER:
Dighton(463), Fall River(151), Somerset(153), Swansea(154), Westport(155), Little Compton & Tiverton, Rhode Island, Total - 5 in Massachusetts - 2 in R.I.

FITCHBURG-LEOMINSTER:
Fitchburg(161), Leominster(172), Lunenburg(173), Shirley(176), Townsend(178), Westminster(179). Total - 8.

GARDNER:
Ashby(163), Ashburnham(182), Gardner(167), Hubbardston(004), Princeton(175), Templeton(010), Winchendon(180). Total - 7.

GLOUCESTER:
Essex(414), Gloucester(415), Rockport(422). Total - 3.

GREAT BARRINGTON:
Alford(372), Egremont(376), Great Barrington(377), Monterey(384) Mt. Washington(385), New Marlborough(386), Sandisfield(390), Sheffield(392). Total - 8.

GREENFIELD:
Ashfield(182), Bernardston(183), Buckland(184), Charlemont (185), Colrain(186), Conway(187), Deerfield(188), Gill(190), Greenfield(181), Hawley(192), Heath(193), Leverett(194), Leyden(195), Monroe(335), Montague(196), Northfield(197), Rowe(198), Shelburne(199), Shutesbury(200), Sunderland(202), Whately(204). Total - 21.

LAWRENCE-HAVERHILL. MASS.-N.H.
Amesbury(322), Andover(232), Georgetown(213), Groveland (214), Haverhill(211), Lawrence(231), Merrimac(215), Methuen (233), North Andover(234), Salisbury(326), West Newbury(327), Atkinson, Hampstead, Kingston, Newton, Plaistow, Salem & Windham, New Hampshire, Total - 11 in Massachusetts - 7 in N.H.

LOWELL:
Billerica(242), Chelmsford(243), Dracut(244), Dunstable(245), Lowell(241), Tewksbury(247), Tyngborough(248), Westford (249). Total - 8.

MARLBOROUGH:
Bolton(264), Hudson(266), Marlborough(261), Maynard(267), Southborough(272), Stow(273). Total - 6.

MILFORD:
Hopedale(286), Hopkinton(287), Mendon(289), Milford(281). Total - 4.

NANTUCKET:
Nantucket(313). Total - 1.

NEW BEDFORD:
Acushnet(302), Dartmouth(304), Fairhaven(306), Freetown(152), Lakeville(309), Marion(310), Mattapoisett(312), New Bedford (301), Rochester(315). Total - 9.

NEWBURYPORT:
Ipswich(323), Newbury(324), Newburyport(321), Rowley(325). Total - 4.

PITTSFIELD:
Adams(332), Becket(373), Cheshire(374), Clarksburg(333), Dalton(375), Florida(334), Hancock(378), Hinsdale(379), Lanesborough(380), Lee(382), Lenox(383), New Ashford(336), North Adams(331), Otis(387), Peru(388), Pittsfield(371), Richmond(389), Savoy(337), Stockbridge(393), Tyringham(394), Washington(395), West Stockbridge(396), Williamstown(338), Windsor(397). Total - 24.

PLYMOUTH:
Carver(115), Middleborough(126), Plymouth(128), Plympton(129), Wareham(317). Total - 5.

PROVIDENCE-PAWTUCKET, R.I. SMSA-MASSACHUSETTS PORTION:
Attleboro(021), Blackstone(283), Millville(290), North Attleborough(024), Norton(025), Plainville(026), Rehoboth(465), Seekonk(466). Total - 8.

SOUTHBRIDGE:
Dudley(484), Holland(439), Southbridge(486), Sturbridge(487). Total - 4.

SPRINGFIELD-CHICOPEE-HOLYOKE:
Agawam(432), Amherst(342), Belchertown(343), Brimfield(434), Chesterfield(345), Chicopee(435), Easthampton(347), East Longmeadow(436), Granby(349), Granville(437), Hadley(350), Hampden(438), Hatfield(352), Holyoke(221) Longmeadow(440), Ludlow(442), Monson(443), Montgomery(444), Northampton(341), Palmer(445), Pelham(355), Russell(446), South Hadley(223), Southampton(357), Southwick(447), Springfield(431), Wales (449), Warren(452), Westfield(453), Westhampton(358), West Springfield(454), Wilbraham(455), Williamsburg(359). Total - 33.

TAUNTON:
Berkley(462), Raynham(464), Taunton(461). Total - 3.

WARE:
Hardwick(003), New Braintree(510), Oakham(513), Ware(450), West Brookfield(520). Total - 5.

WORCESTER:
Auburn(502), Berlin(263), Boylston(503), Brookfield(504), Charlton(482), Douglas(483), East Brookfield(505), Grafton (506), Holden(507), Leicester(508), Millbury(509), Northborough(269), Northbridge(292), North Brookfield(512), Oxford (485), Paxton(514), Rutland(515), Shrewsbury(518), Spencer (517), Sterling(177), Sutton(488), Upton(293), Uxbridge(294), Webster(481), Westborough(518), West Boylston(519), Worcester (501). Total - 27.

BALANCE OF STATE - NO LABOR AREA:
Ayer(164), Blandford(433), Chester(344), Cummington(346), Goshen(348), Groton(168), Harvard(169), Huntington(353), Littleton(246), Mansfield(023), Middlefield(354), Pepperill (174), Plainfield(356), Tolland(448), Worthington(360). Total - 15.

TOTAL MASSACHUSETTS CITIES AND TOWNS - 351

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